

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091218\
 Data File : VW005334.D
 Acq On : 12 Sep 2018 18:57
 Operator : SY/AP
 Sample : VW0912SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

Quant Time: Sep 13 01:00:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	399510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	559680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	565845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	326731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	165355	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
35) Dibromofluoromethane	7.89	113	164234	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
50) Toluene-d8	10.33	98	762859	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.62	95	288804	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	79443	23.052	ug/l	98
3) Chloromethane	2.21	50	103077	22.372	ug/l	96
4) Vinyl Chloride	2.36	62	90522	21.401	ug/l	94
5) Bromomethane	2.74	94	74361	27.649	ug/l	99
6) Chloroethane	2.90	64	50915	21.852	ug/l	99
7) Trichlorofluoromethane	3.25	101	104524	21.844	ug/l	97
8) Diethyl Ether	3.68	74	38607	22.640	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	71784	21.003	ug/l	99
10) Methyl Iodide	4.27	142	35242	11.070	ug/l	99
11) Tert butyl alcohol	5.17	59	32477	132.903	ug/l	97
12) 1,1-Dichloroethene	4.04	96	66288	21.064	ug/l	97
13) Acrolein	3.89	56	25165	106.609	ug/l	100
14) Allyl chloride	4.67	41	96096	19.873	ug/l	99
15) Acrylonitrile	5.37	53	94832	123.262	ug/l	98
16) Acetone	4.12	43	69329	125.347	ug/l	96
17) Carbon Disulfide	4.37	76	239519	21.683	ug/l	99
18) Methyl Acetate	4.68	43	38538	23.341	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	174067	23.223	ug/l	98
20) Methylene Chloride	4.92	84	101401	22.883	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	77061	20.973	ug/l	98
22) Diisopropyl ether	6.32	45	215409	22.128	ug/l	95
23) Vinyl Acetate	6.26	43	614138	113.202	ug/l	97
24) 1,1-Dichloroethane	6.22	63	130873	21.840	ug/l	99
25) 2-Butanone	7.18	43	110179	126.290	ug/l	98
26) 2,2-Dichloropropane	7.17	77	101490	19.534	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	85498	21.742	ug/l	98
28) Bromochloromethane	7.52	49	48349	21.871	ug/l	96
29) Tetrahydrofuran	7.54	42	71146	121.011	ug/l	98
30) Chloroform	7.68	83	132164	21.977	ug/l	99
31) Cyclohexane	7.96	56	127078	19.930	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	112540	20.715	ug/l	99
36) 1,1-Dichloropropene	8.09	75	109403	21.336	ug/l	99
37) Ethyl Acetate	7.26	43	47680	24.447	ug/l	98
38) Carbon Tetrachloride	8.07	117	101865	21.207	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	133110	19.552	ug/l	98
40) Benzene	8.33	78	331622	21.952	ug/l	100
41) Methacrylonitrile	7.49	41	26215	26.199	ug/l	96
42) 1,2-Dichloroethane	8.40	62	84121	23.276	ug/l	100
43) Isopropyl Acetate	8.43	43	88099	24.325	ug/l	99
44) Trichloroethene	9.10	130	91060	21.972	ug/l	98
45) 1,2-Dichloropropane	9.37	63	81785	22.524	ug/l	98
46) Dibromomethane	9.46	93	40851	22.984	ug/l	98
47) Bromodichloromethane	9.65	83	95962	22.071	ug/l	97
48) Methyl methacrylate	9.45	41	41661	22.153	ug/l #	89
49) 1,4-Dioxane	9.45	88	16028	483.007	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	247312	121.341	ug/l	100
52) Toluene	10.39	92	234452	21.354	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	102312	21.774	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	121779	21.642	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	65186	23.002	ug/l	98
56) Ethyl methacrylate	10.65	69	80776	22.483	ug/l	97
57) 1,3-Dichloropropane	10.94	76	107906	22.931	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	177781	113.850	ug/l	100
59) 2-Hexanone	10.98	43	176199	119.916	ug/l	100
60) Dibromochloromethane	11.13	129	73297	23.309	ug/l	98
61) 1,2-Dibromoethane	11.24	107	60672	23.346	ug/l	100
64) Tetrachloroethene	10.87	164	90828	21.636	ug/l	98
65) Chlorobenzene	11.66	112	264733	21.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	79750	21.548	ug/l	100
67) Ethyl Benzene	11.74	91	443058	20.525	ug/l	100
68) m/p-Xylenes	11.85	106	367101	42.201	ug/l	98
69) o-Xylene	12.17	106	169637	20.960	ug/l	99
70) Styrene	12.19	104	288980	21.883	ug/l	99
71) Bromoform	12.35	173	46905	23.374	ug/l #	97
73) Isopropylbenzene	12.47	105	451583	19.562	ug/l	99
74) N-amyl acetate	12.28	43	94567	21.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	77648	22.381	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	100387	39.946	ug/l #	100
77) Bromobenzene	12.75	156	116367	21.396	ug/l	98
78) n-propylbenzene	12.81	91	557857	20.121	ug/l	99
79) 2-Chlorotoluene	12.90	91	321147	20.199	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	397478	20.220	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	21645	20.199	ug/l	96
82) 4-Chlorotoluene	12.99	91	343907	20.579	ug/l	100
83) tert-Butylbenzene	13.21	119	333977	19.426	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	406358	20.571	ug/l	99
85) sec-Butylbenzene	13.39	105	491006	19.872	ug/l	99
86) p-Isopropyltoluene	13.51	119	439194	20.079	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	235143	20.591	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	235150	20.965	ug/l	100
89) n-Butylbenzene	13.83	91	393296	19.128	ug/l	99
90) Hexachloroethane	14.10	117	68737	19.615	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	216152	21.534	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13070	22.654	ug/l	97

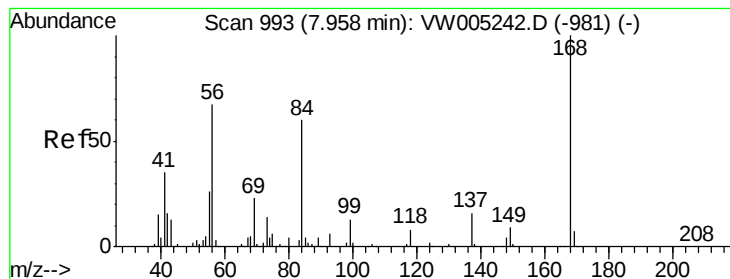
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091218\
Data File : VW005334.D
Acq On : 12 Sep 2018 18:57
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Misc : 5.00G/5ML/MSVOA_W/SOIL
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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 03:48:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	142021	20.002	ug/l	99
94) Hexachlorobutadiene	15.24	225	90646	19.937	ug/l	99
95) Naphthalene	15.38	128	244234	21.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	128668	21.060	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

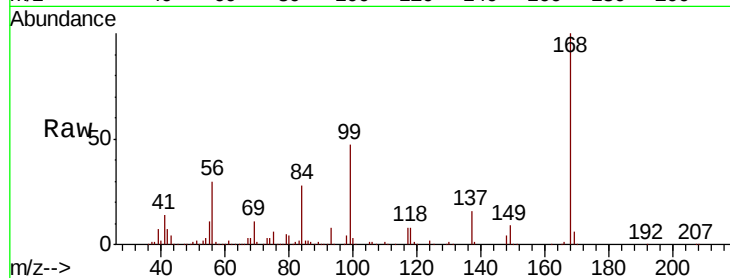
VW0912SBSD01

Tgt Ion:168 Resp: 399510

Ion Ratio Lower Upper

168 100

99 46.6 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

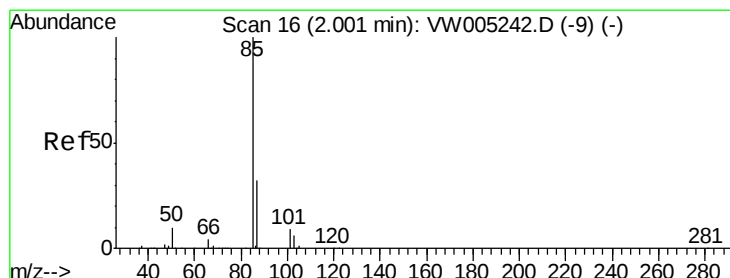
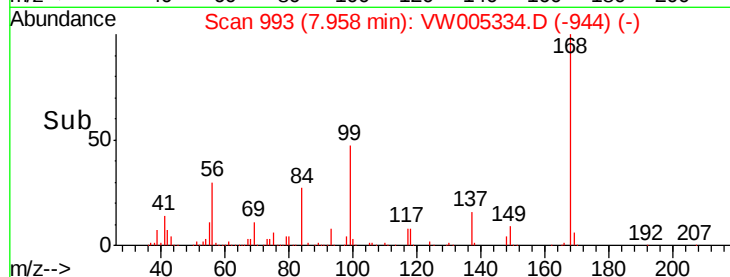
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.052 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW005334.D

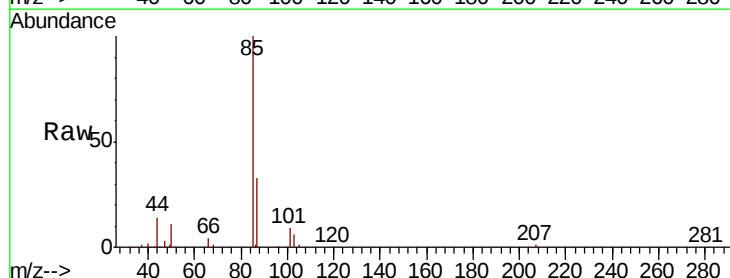
Acq: 12 Sep 2018 18:57

Tgt Ion: 85 Resp: 79443

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

50000

40000

30000

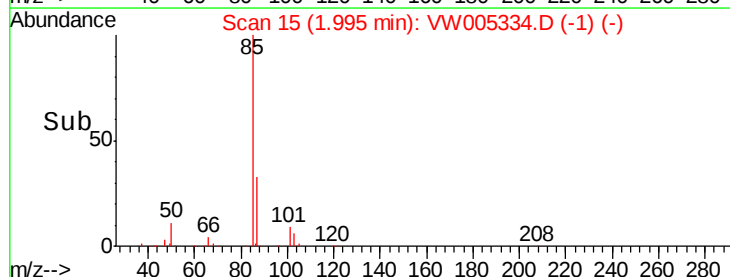
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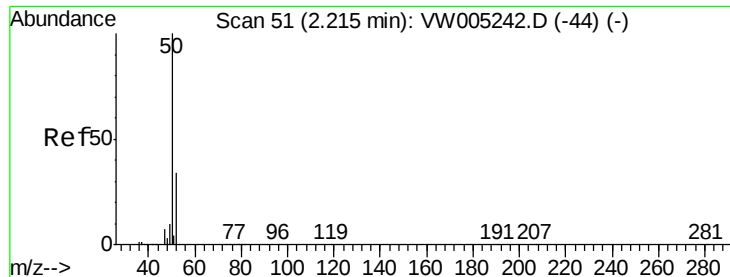
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 22.372 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

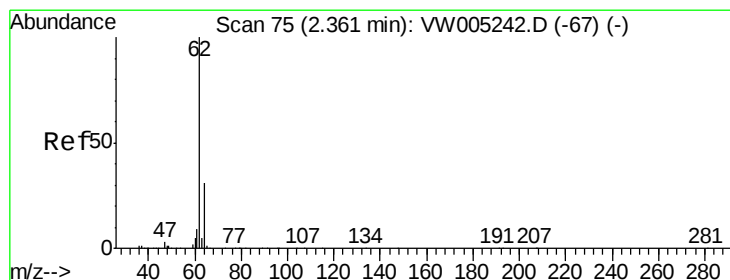
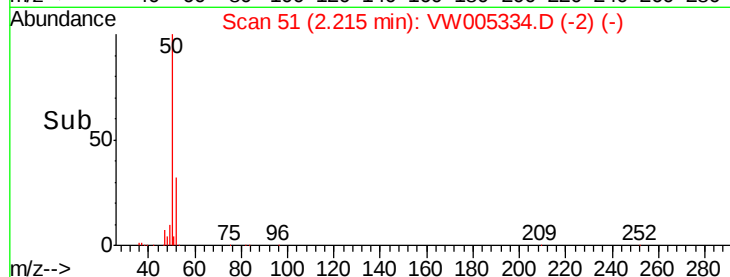
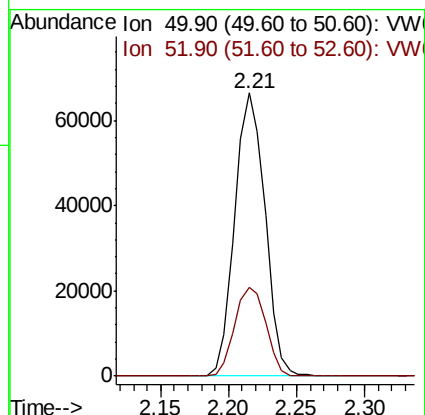
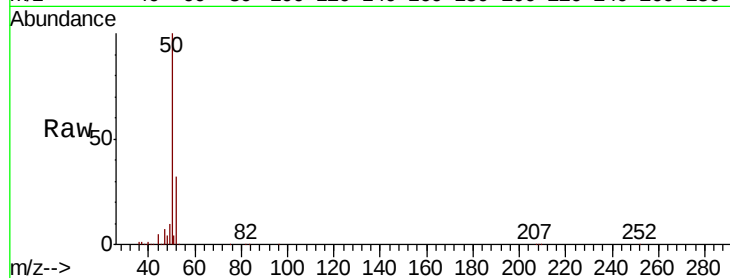
VW0912SBSD01

Tgt Ion: 50 Resp: 103077

Ion Ratio Lower Upper

50 100

52 31.6 27.0 40.4



#4

Vinyl Chloride

Concen: 21.401 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW005334.D

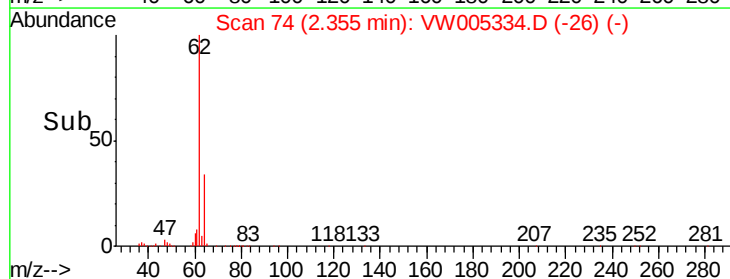
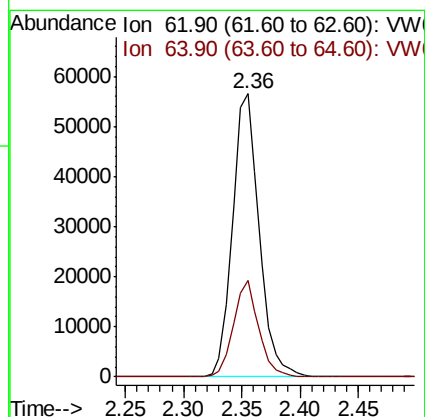
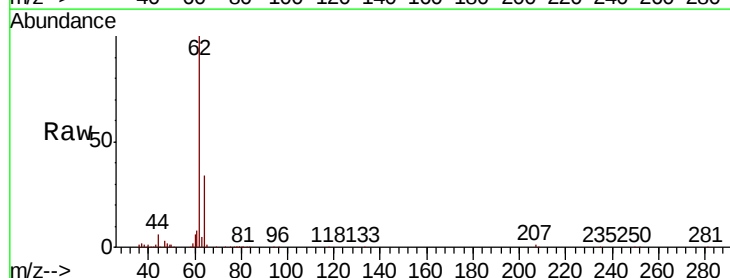
Acq: 12 Sep 2018 18:57

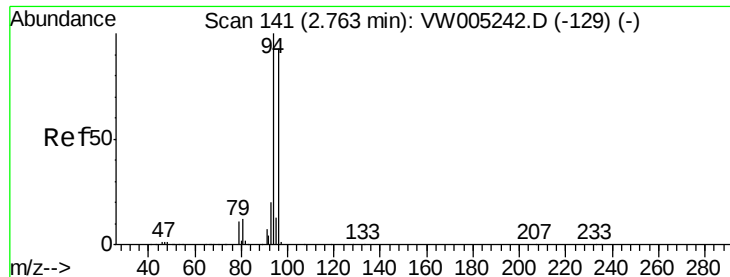
Tgt Ion: 62 Resp: 90522

Ion Ratio Lower Upper

62 100

64 34.0 24.6 37.0





#5

Bromomethane

Concen: 27.649 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

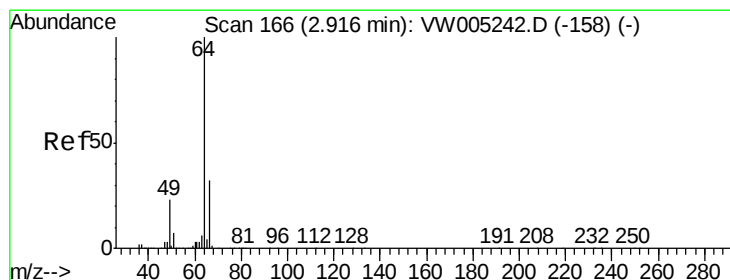
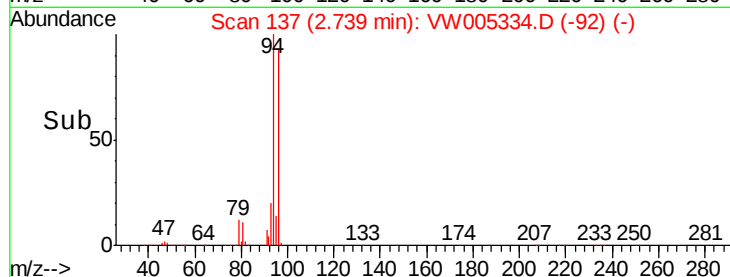
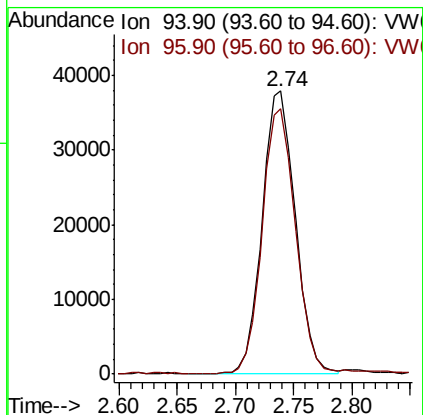
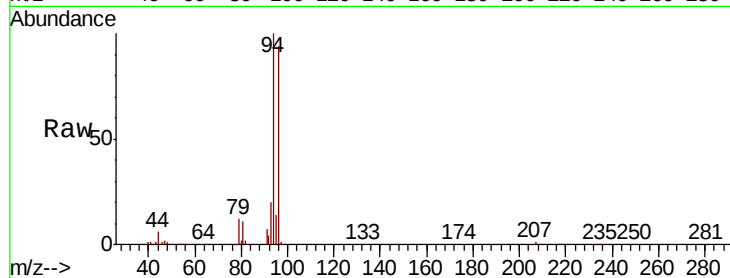
VW0912SBSD01

Tgt Ion: 94 Resp: 74361

Ion Ratio Lower Upper

94 100

96 93.5 74.1 111.1



#6

Chloroethane

Concen: 21.852 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW005334.D

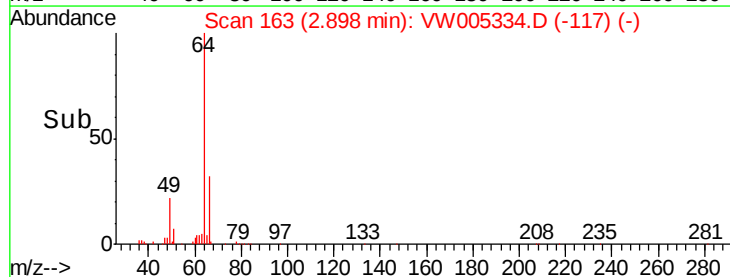
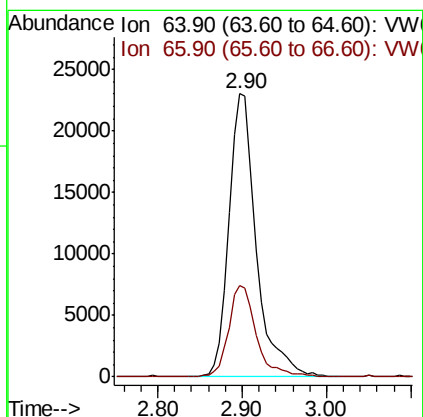
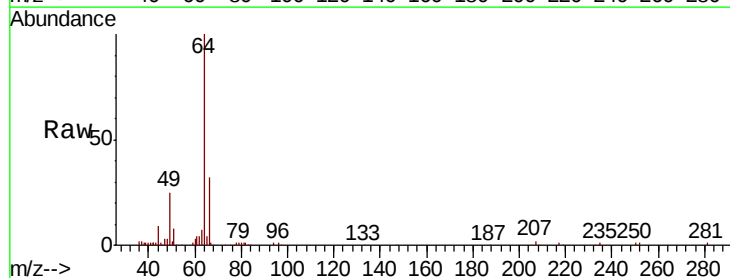
Acq: 12 Sep 2018 18:57

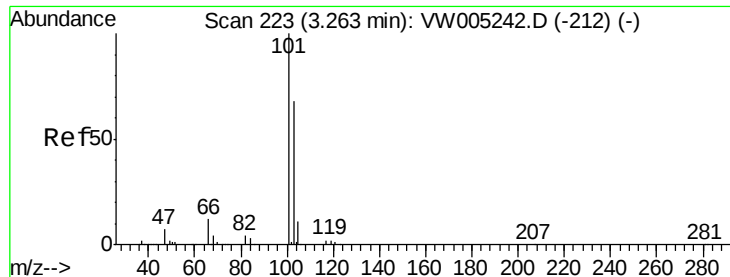
Tgt Ion: 64 Resp: 50915

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9



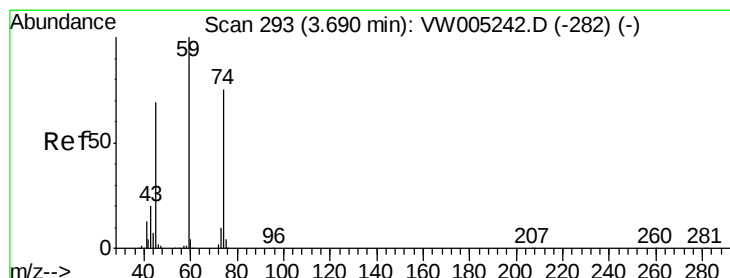
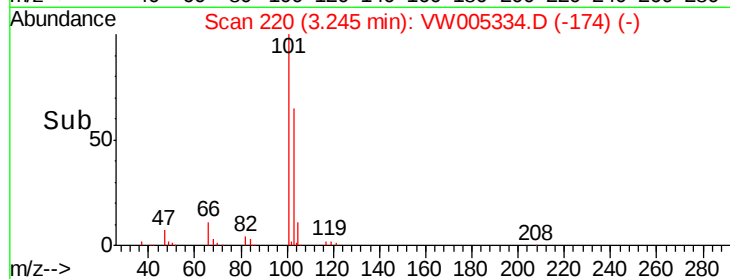
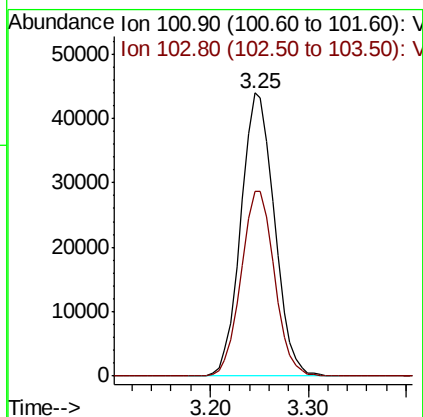
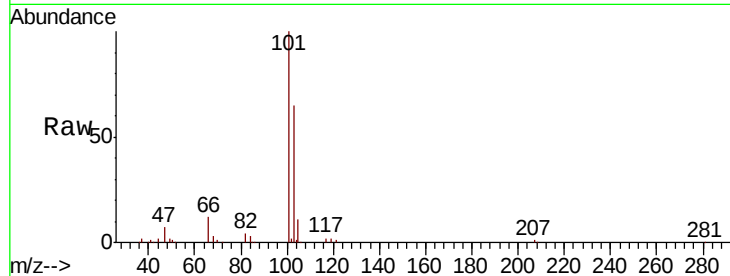


#7

Trichlorofluoromethane
 Concen: 21.844 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.02 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

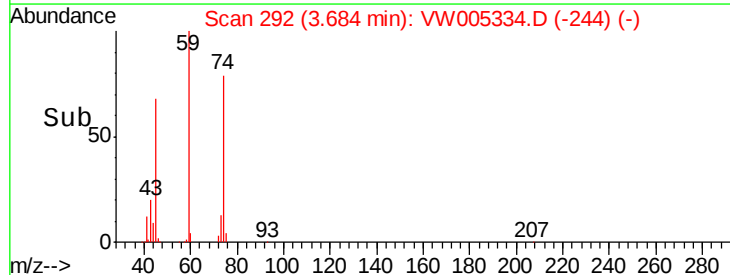
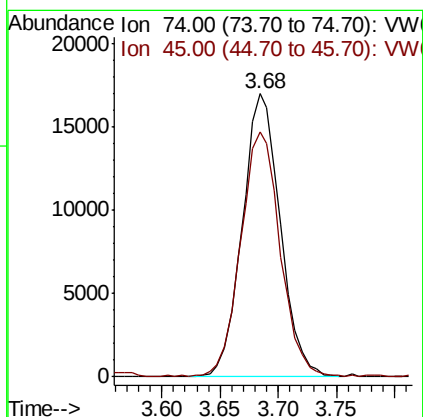
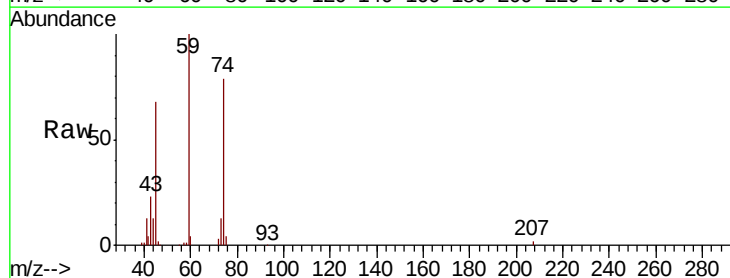
Tgt Ion: 101 Resp: 104524
 Ion Ratio Lower Upper
 101 100
 103 65.3 54.1 81.1

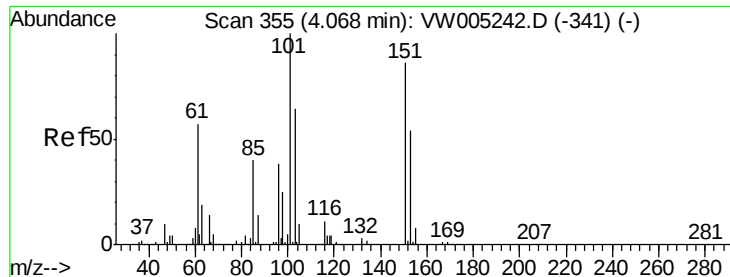


#8

Diethyl Ether
 Concen: 22.640 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion: 74 Resp: 38607
 Ion Ratio Lower Upper
 74 100
 45 90.0 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.003 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

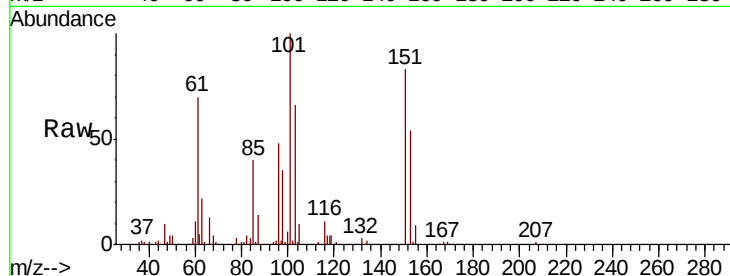
Tgt Ion:101 Resp: 71784

Ion Ratio Lower Upper

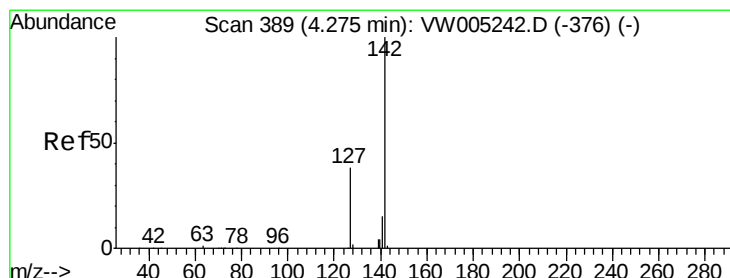
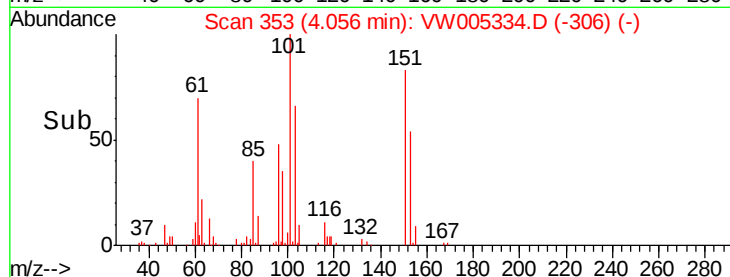
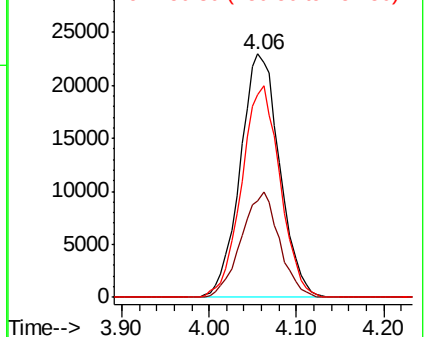
101 100

85 41.8 32.7 49.1

151 84.8 67.6 101.4



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 11.070 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

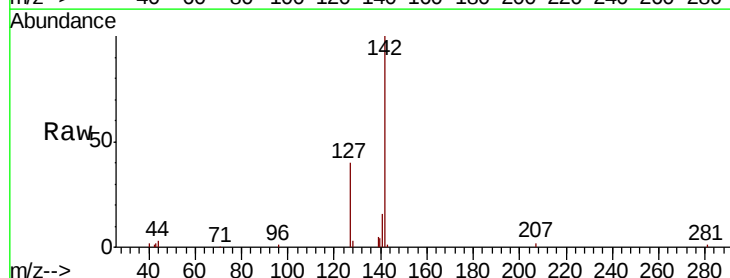
Tgt Ion:142 Resp: 35242

Ion Ratio Lower Upper

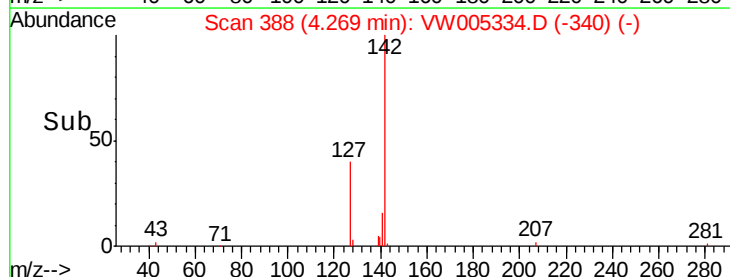
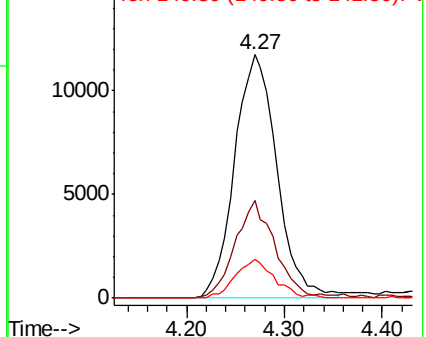
142 100

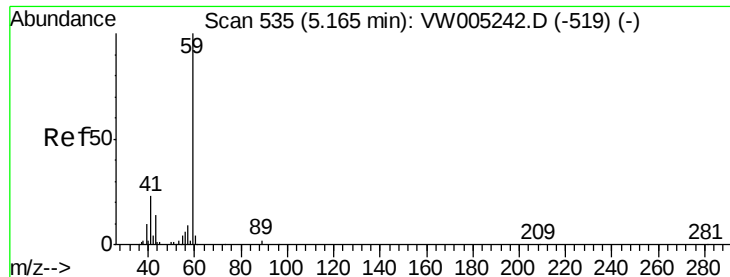
127 37.7 30.3 45.5

141 14.9 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



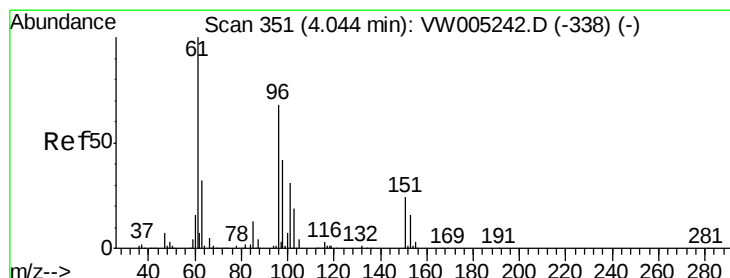
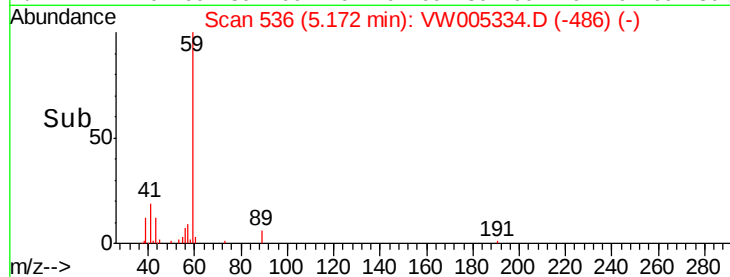
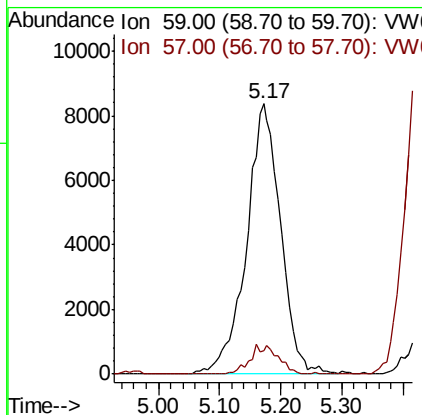
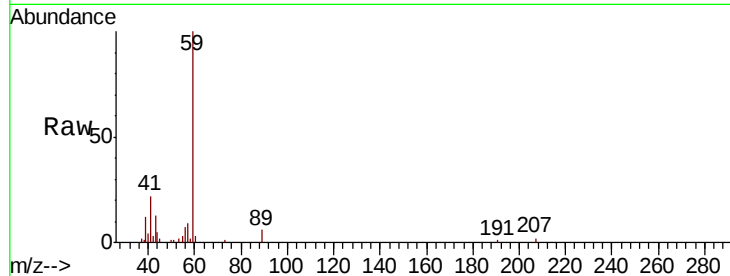


#11

Tert butyl alcohol
 Concen: 132.903 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

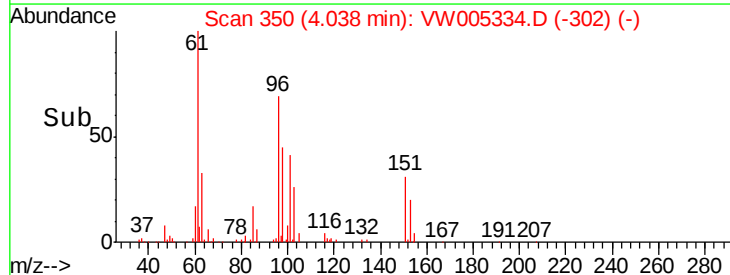
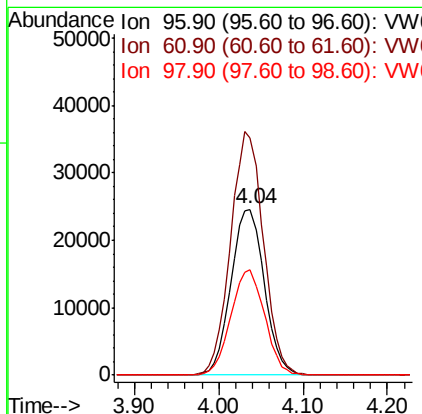
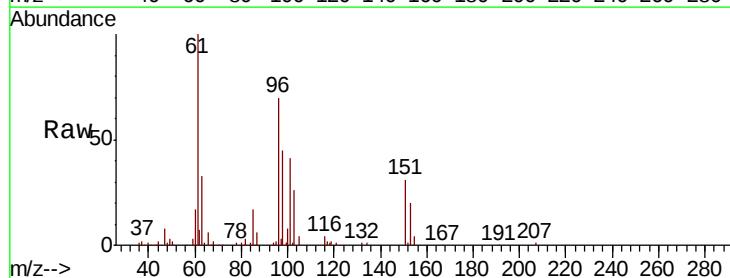
Tgt Ion: 59 Resp: 32477
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.1 12.1

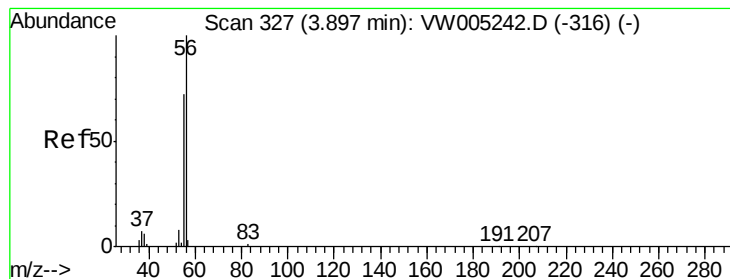


#12

1,1-Dichloroethene
 Concen: 21.064 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion: 96 Resp: 66288
 Ion Ratio Lower Upper
 96 100
 61 143.3 118.2 177.2
 98 63.9 49.9 74.9





#13

Acrolein

Concen: 106.609 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

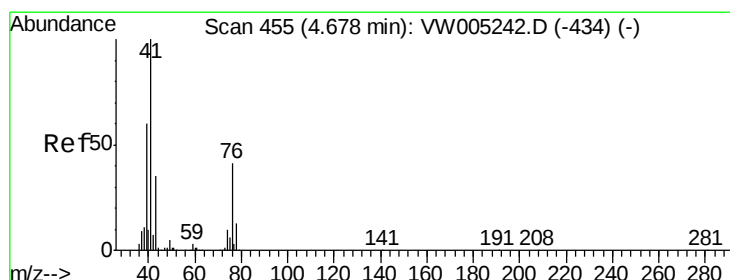
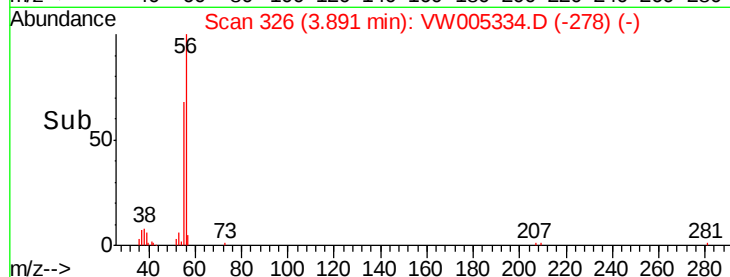
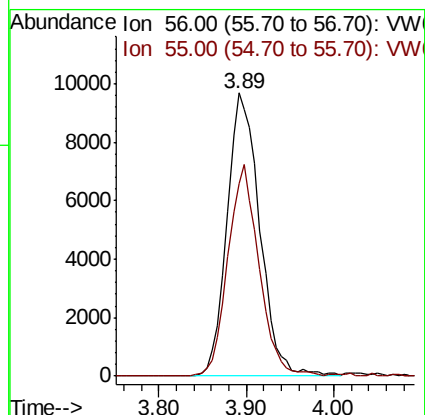
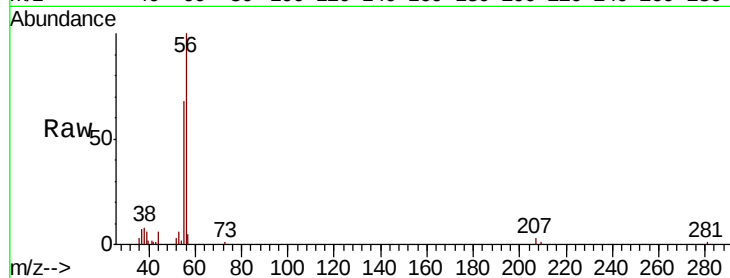
VW0912SBSD01

Tgt Ion: 56 Resp: 25165

Ion Ratio Lower Upper

56 100

55 71.0 56.8 85.2



#14

Allyl chloride

Concen: 19.873 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

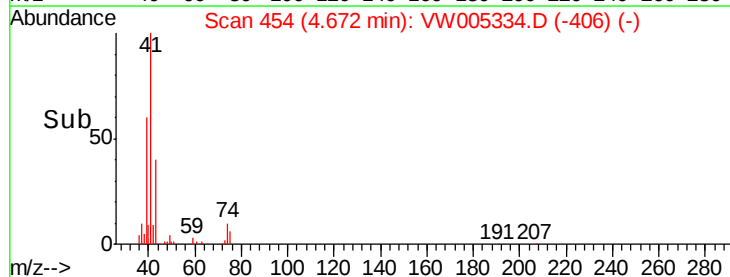
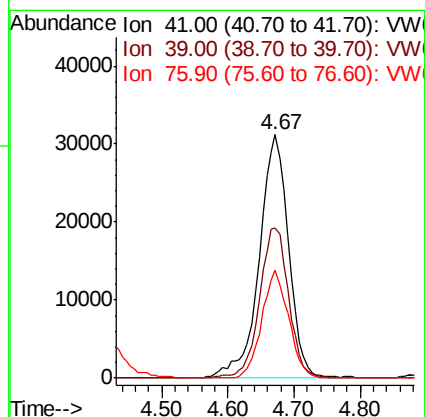
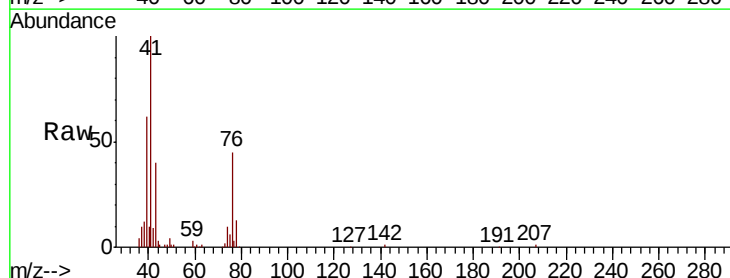
Tgt Ion: 41 Resp: 96096

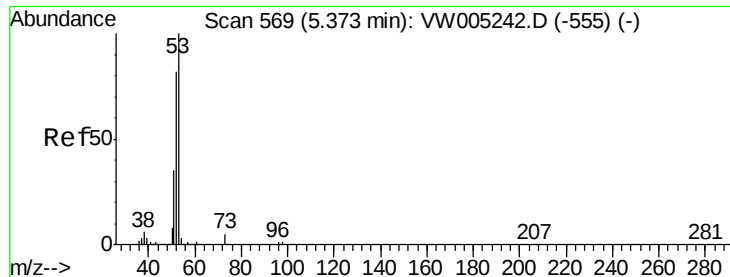
Ion Ratio Lower Upper

41 100

39 61.3 48.2 72.4

76 40.5 31.7 47.5





#15

Acrylonitrile

Concen: 123.262 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

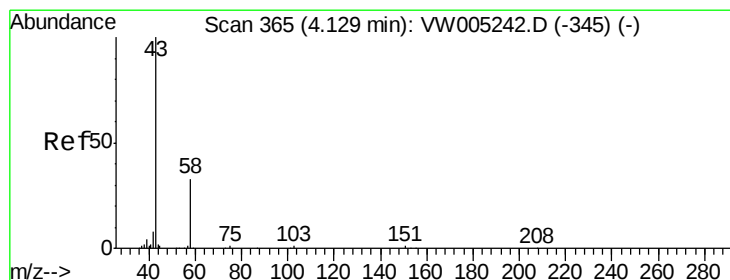
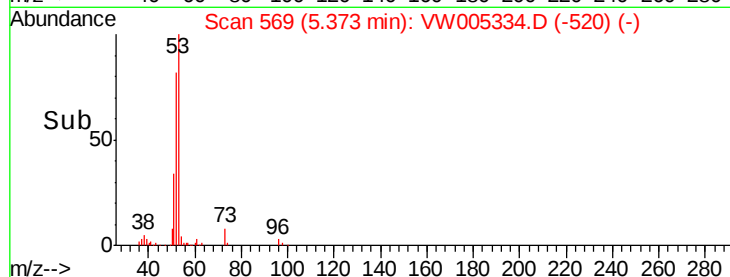
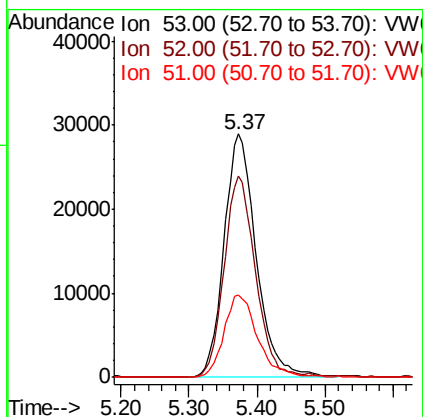
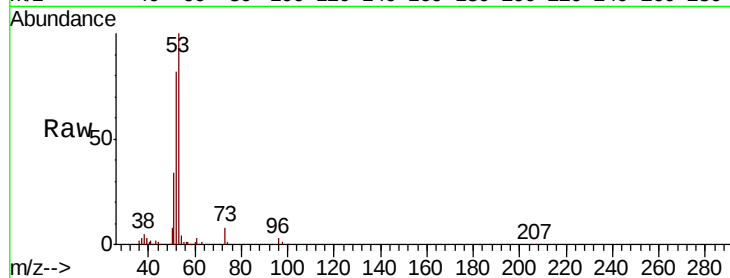
Tgt Ion: 53 Resp: 94832

Ion Ratio Lower Upper

53 100

52 80.3 66.0 99.0

51 35.6 28.6 43.0



#16

Acetone

Concen: 125.347 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005334.D

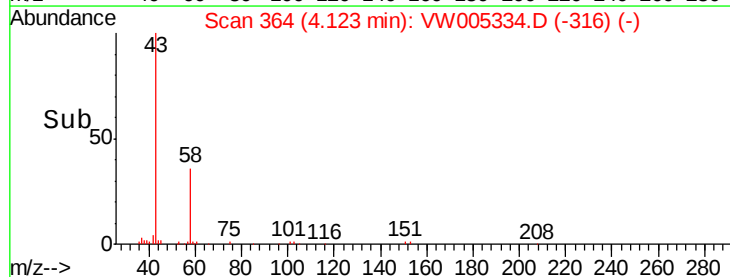
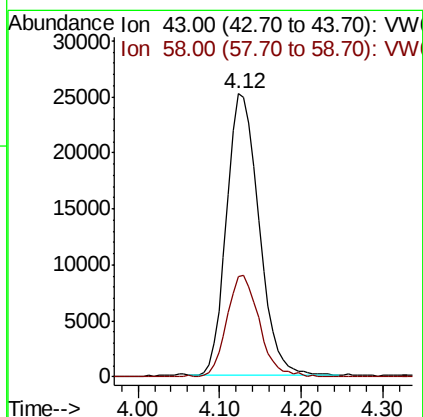
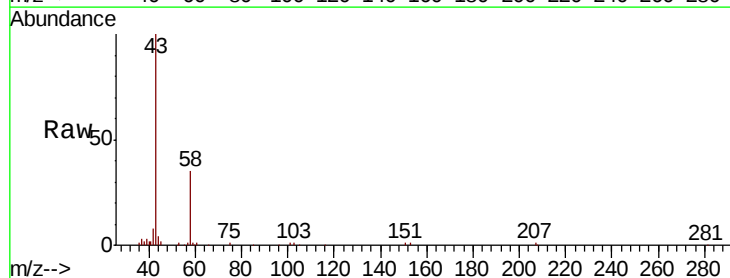
Acq: 12 Sep 2018 18:57

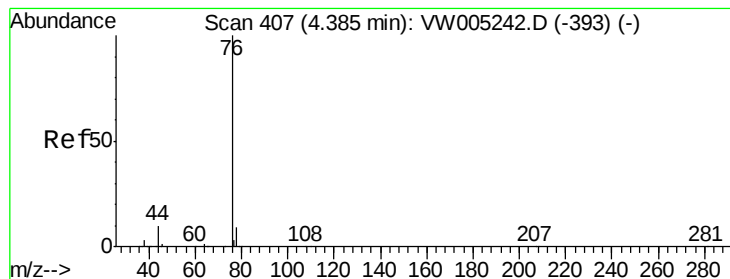
Tgt Ion: 43 Resp: 69329

Ion Ratio Lower Upper

43 100

58 35.5 26.7 40.1





#17

Carbon Disulfide

Concen: 21.683 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

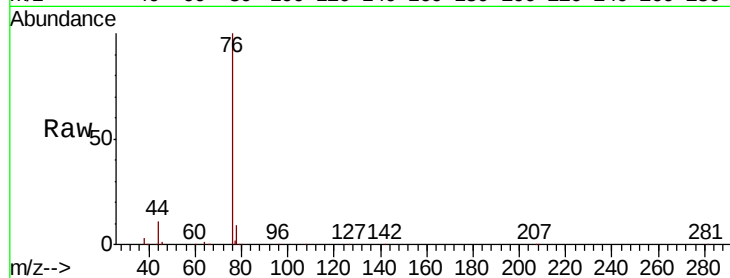
VW0912SBSD01

Tgt Ion: 76 Resp: 239519

Ion Ratio Lower Upper

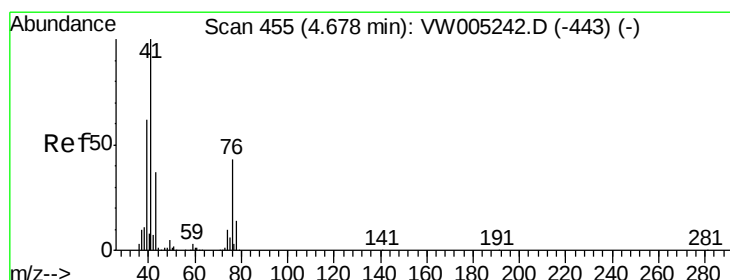
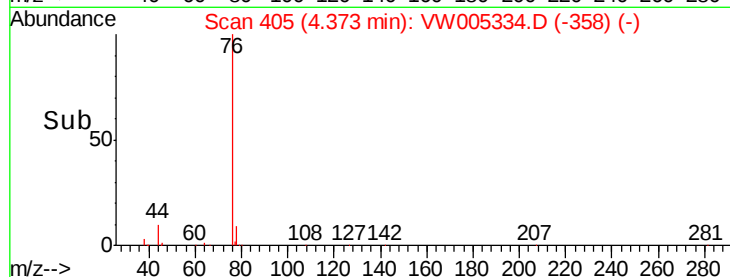
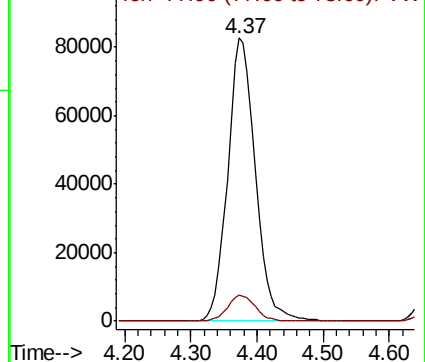
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 23.341 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW005334.D

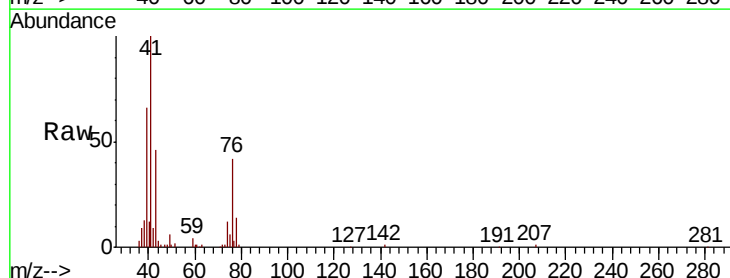
Acq: 12 Sep 2018 18:57

Tgt Ion: 43 Resp: 38538

Ion Ratio Lower Upper

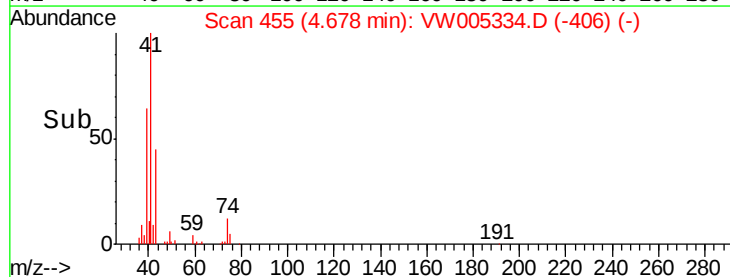
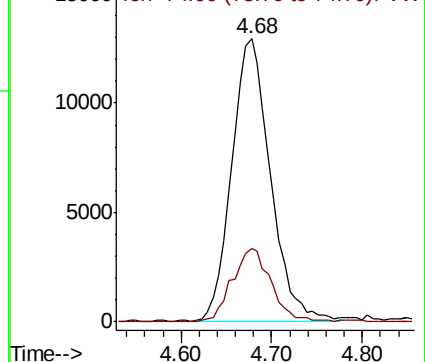
43 100

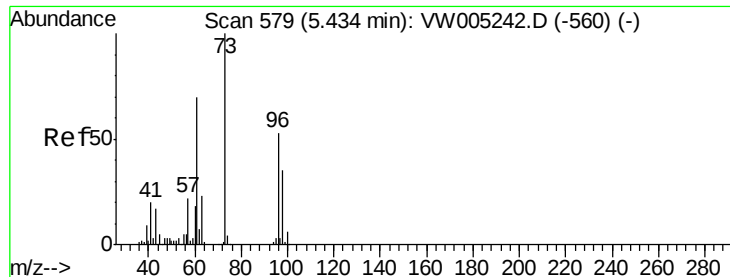
74 26.0 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

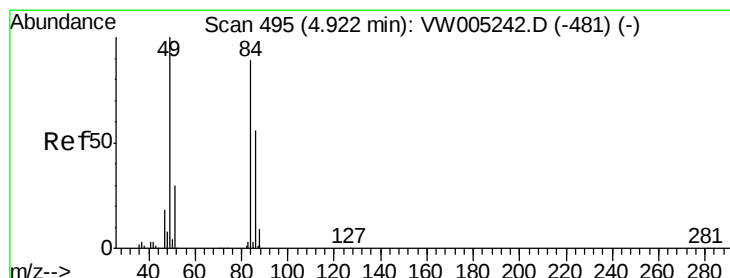
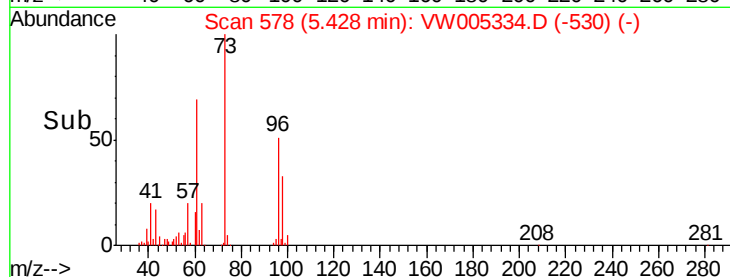
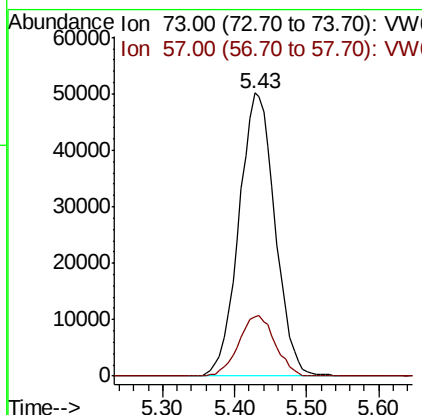
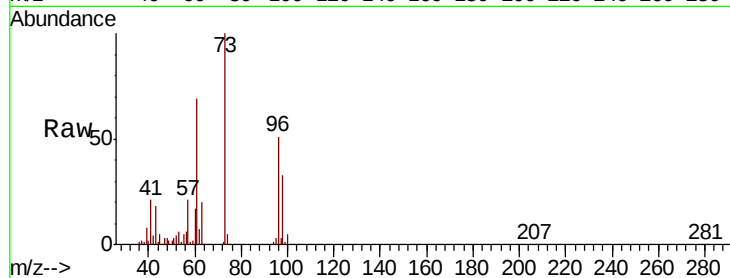




#19
Methyl tert-butyl Ether
Concen: 23.223 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

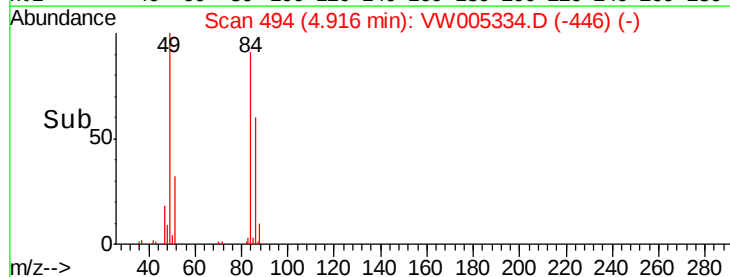
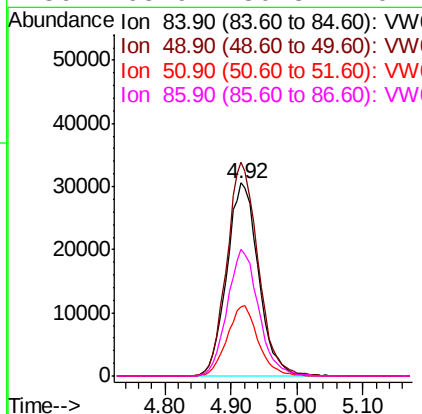
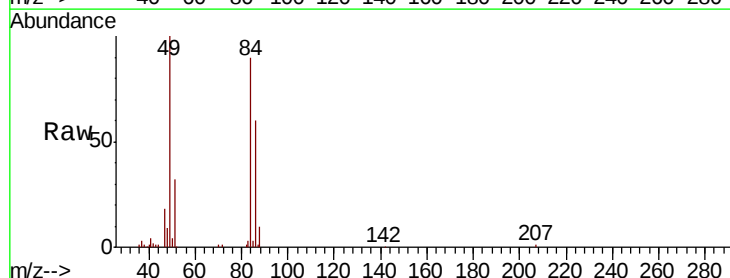
Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

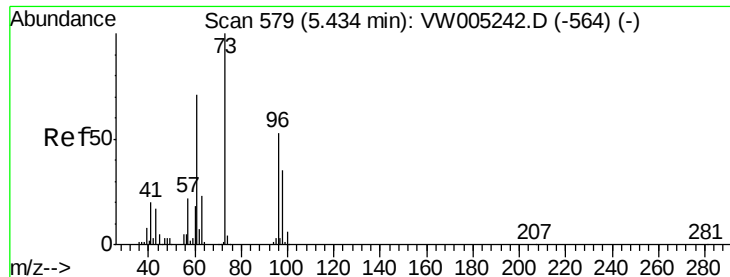
Tgt Ion: 73 Resp: 174067
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2



#20
Methylene Chloride
Concen: 22.883 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion: 84 Resp: 101401
Ion Ratio Lower Upper
84 100
49 110.6 90.3 135.5
51 35.6 26.9 40.3
86 65.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.973 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

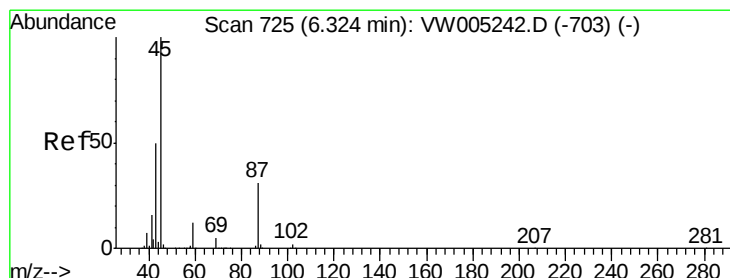
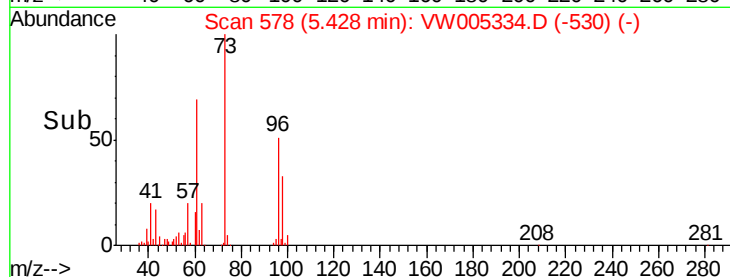
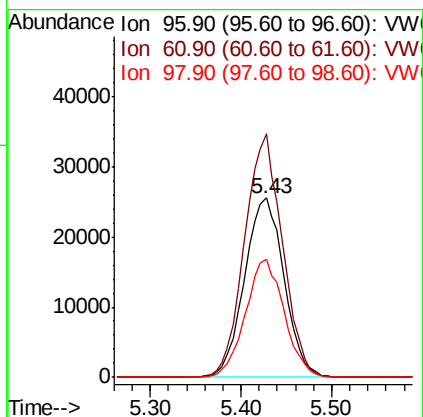
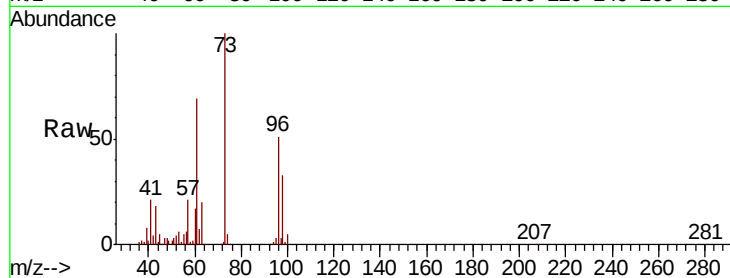
Tgt Ion: 96 Resp: 77061

Ion Ratio Lower Upper

96 100

61 136.0 105.7 158.5

98 65.7 52.8 79.2



#22

Diisopropyl ether

Concen: 22.128 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Tgt Ion: 45 Resp: 215409

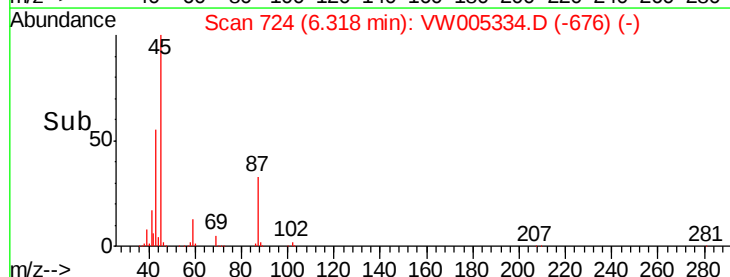
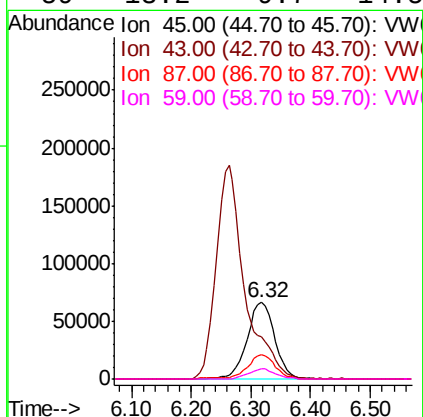
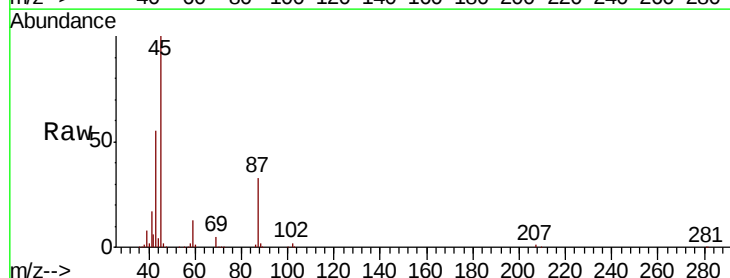
Ion Ratio Lower Upper

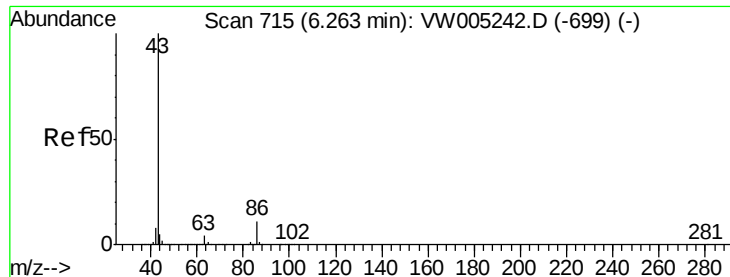
45 100

43 54.7 39.6 59.4

87 32.4 24.7 37.1

59 13.2 9.7 14.5





#23

Vinyl Acetate

Concen: 113.202 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

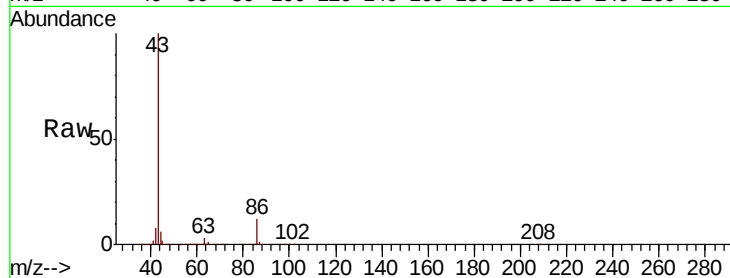
VW0912SBSD01

Tgt Ion: 43 Resp: 614138

Ion Ratio Lower Upper

43 100

86 12.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

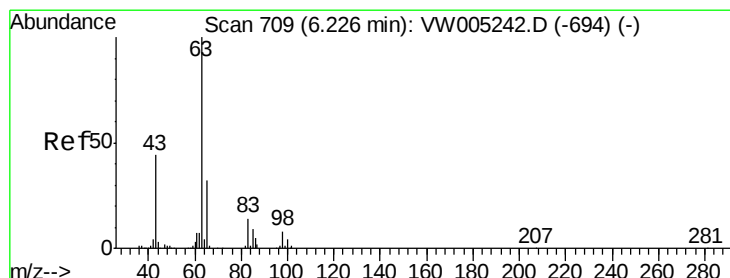
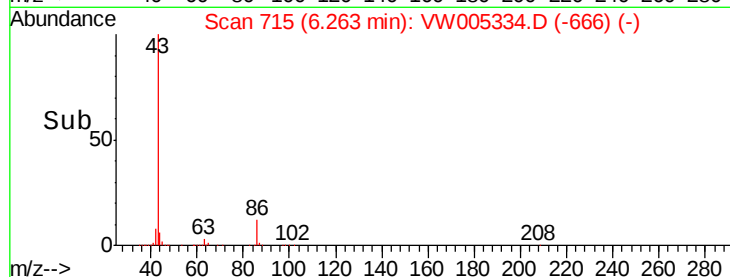
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.840 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

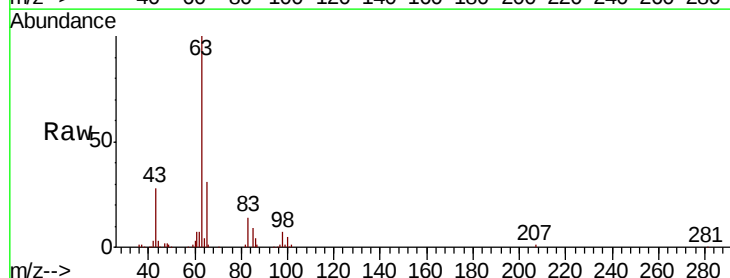
Tgt Ion: 63 Resp: 130873

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

100 4.8 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

60000

50000

40000

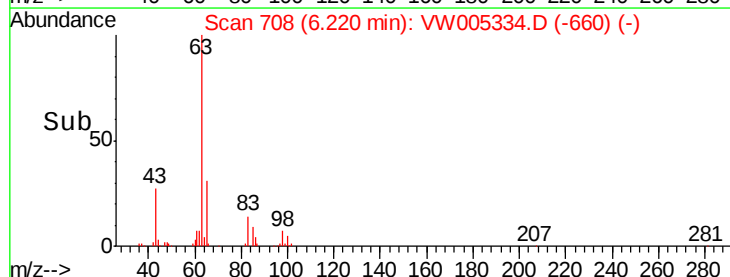
30000

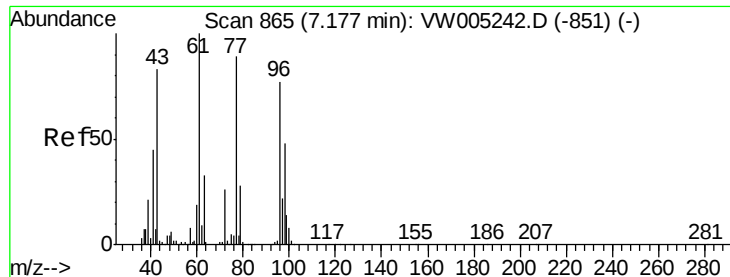
20000

10000

0

Time-->





#25

2-Butanone

Concen: 126.290 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

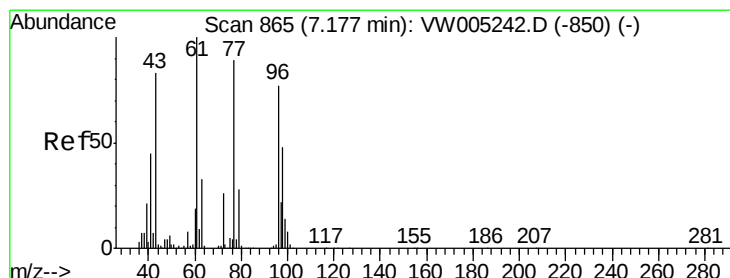
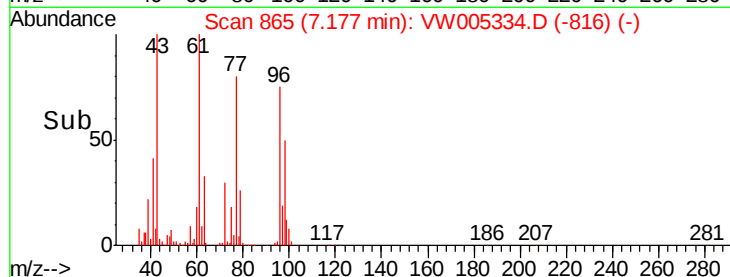
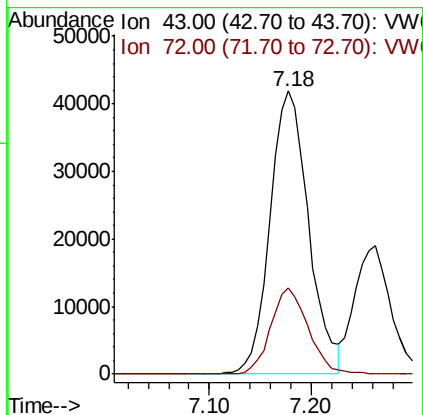
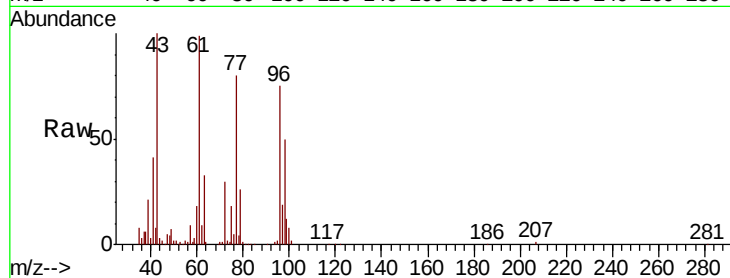
VW0912SBSD01

Tgt Ion: 43 Resp: 110179

Ion Ratio Lower Upper

43 100

72 30.4 25.0 37.6



#26

2,2-Dichloropropane

Concen: 19.534 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005334.D

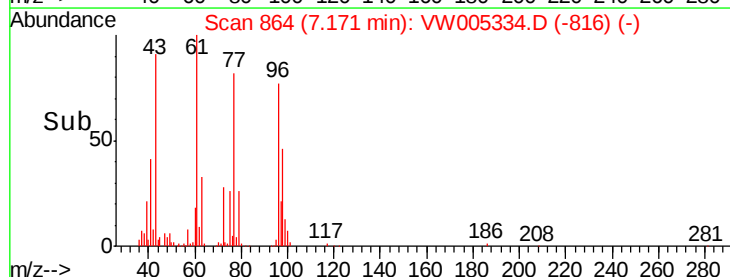
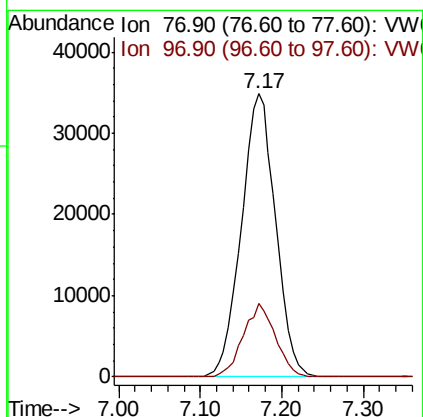
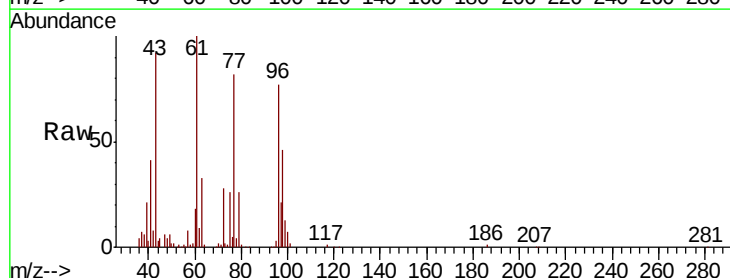
Acq: 12 Sep 2018 18:57

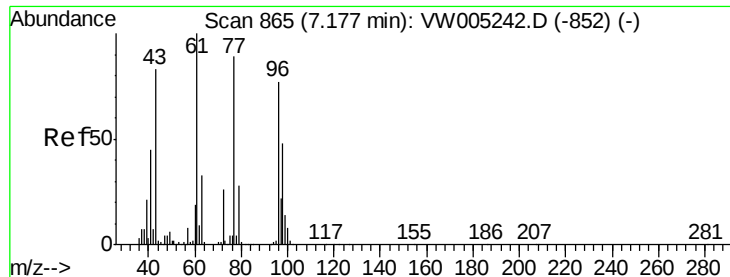
Tgt Ion: 77 Resp: 101490

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6



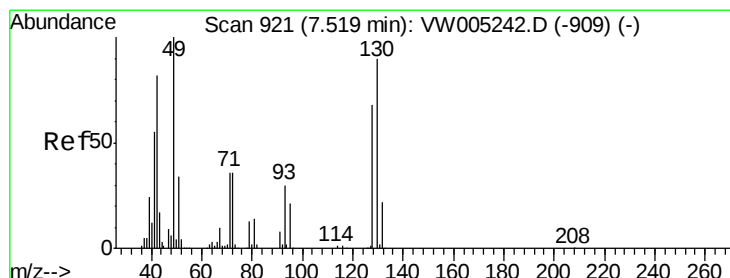
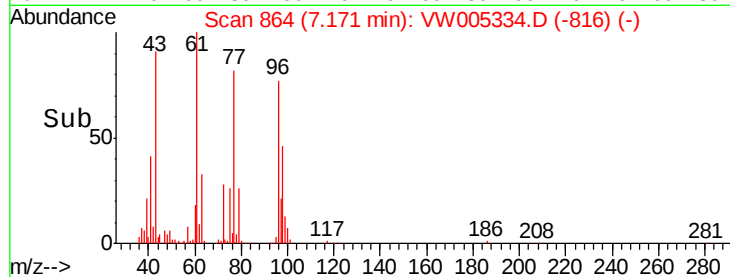
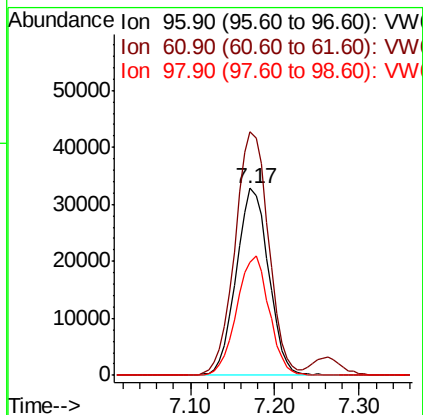
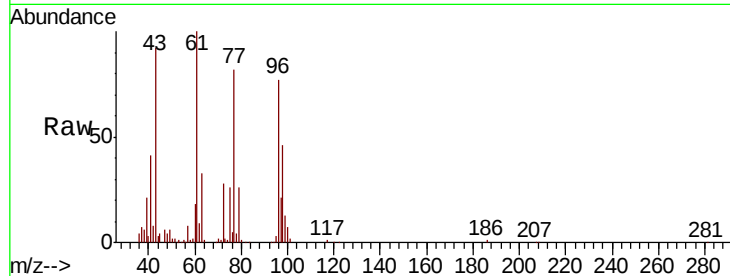


#27

cis-1,2-Dichloroethene
 Concen: 21.742 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

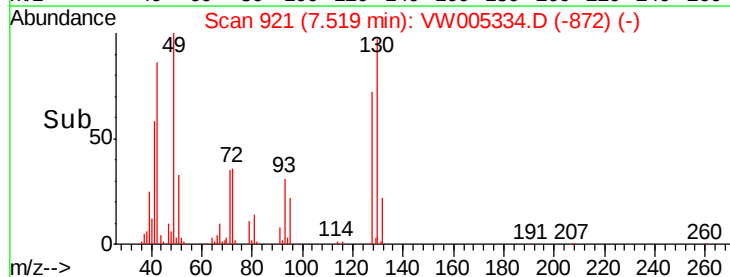
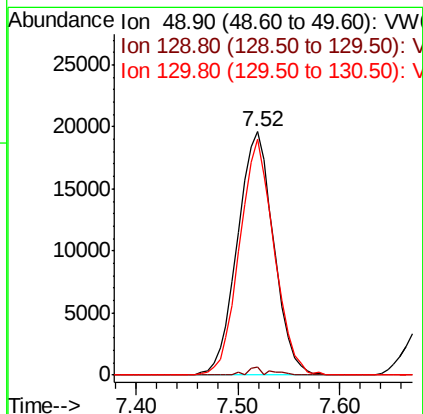
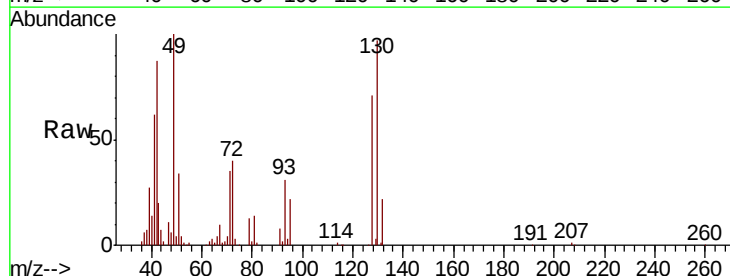
Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	273.4
98	63.4	0.0	127.8

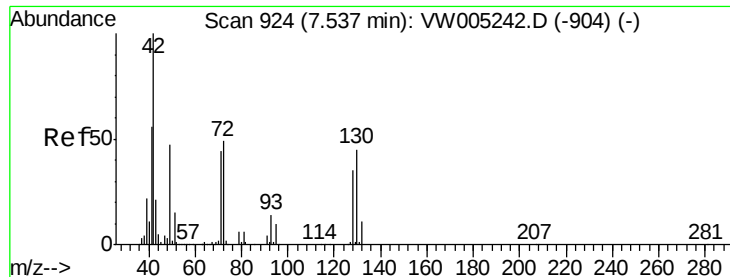


#28

Bromochloromethane
 Concen: 21.871 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	92.4	71.2	106.8

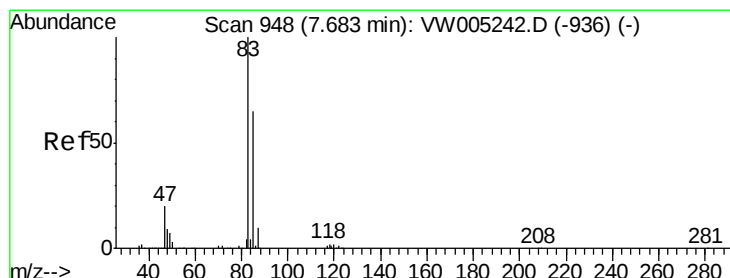
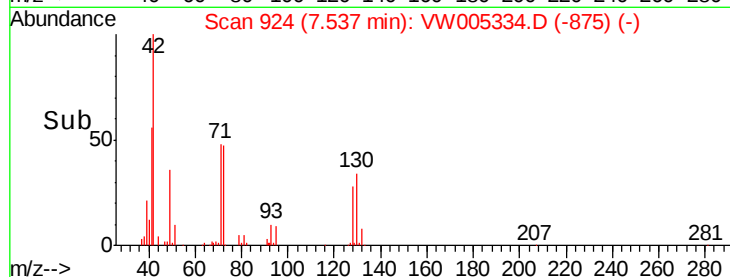
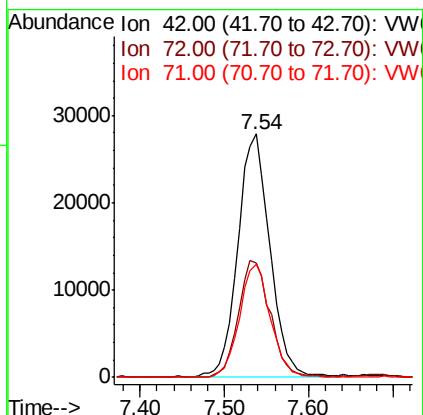
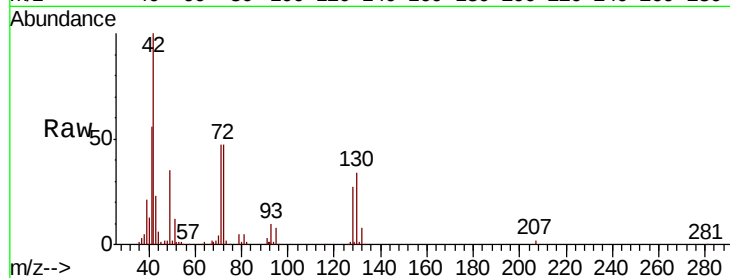




#29
Tetrahydrofuran
Concen: 121.011 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

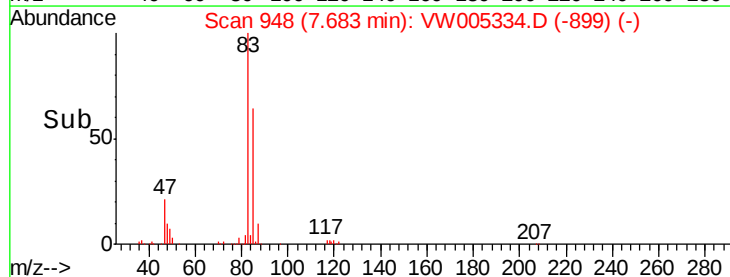
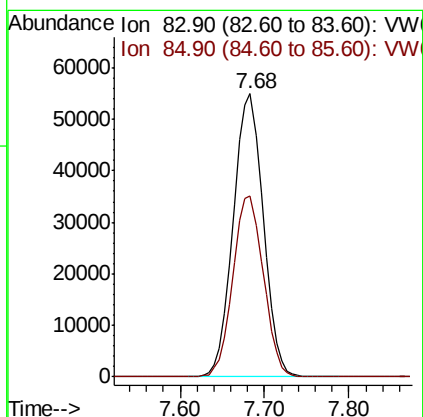
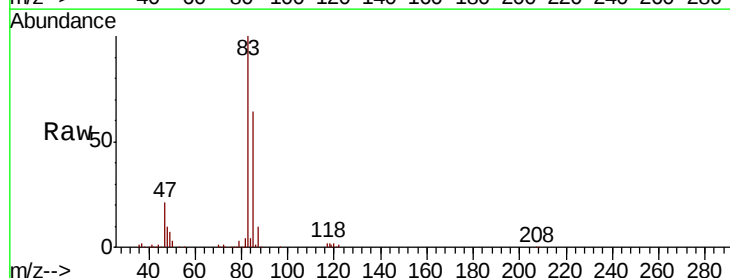
Instrument :
MSVOA_W
ClientSampled :
VW0912SBSD01

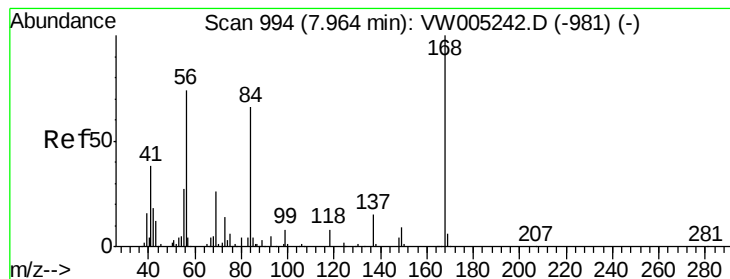
Tgt Ion: 42 Resp: 71146
Ion Ratio Lower Upper
42 100
72 47.8 37.5 56.3
71 45.0 34.8 52.2



#30
Chloroform
Concen: 21.977 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion: 83 Resp: 132164
Ion Ratio Lower Upper
83 100
85 64.0 51.7 77.5





#31

Cyclohexane

Concen: 19.930 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

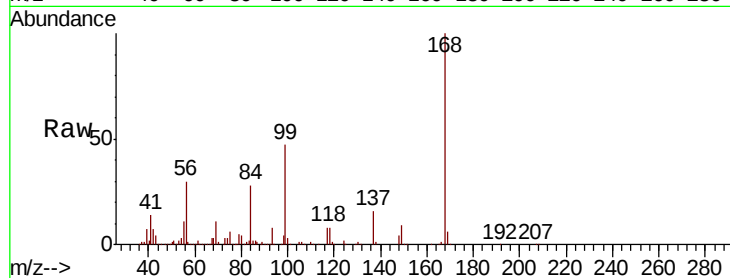
Tgt Ion: 56 Resp: 127078

Ion Ratio Lower Upper

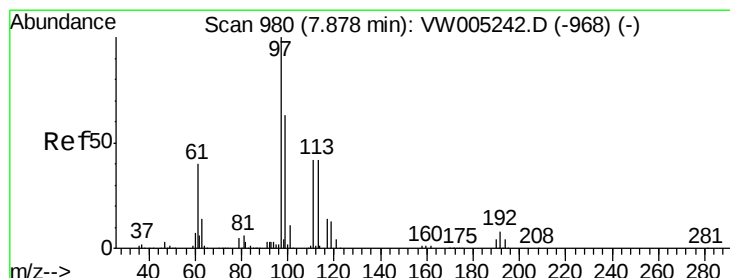
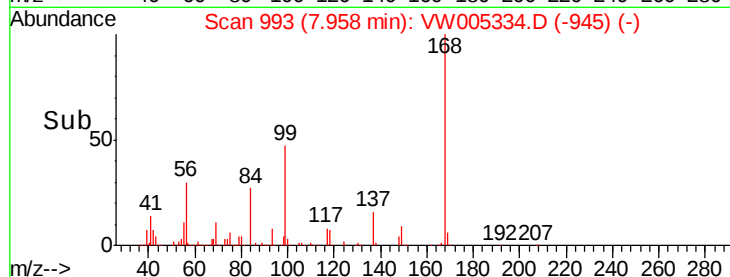
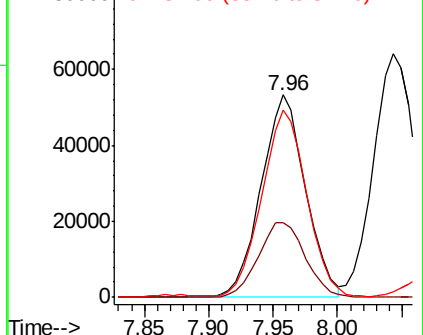
56 100

69 36.7 27.8 41.8

84 91.8 72.1 108.1



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.715 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

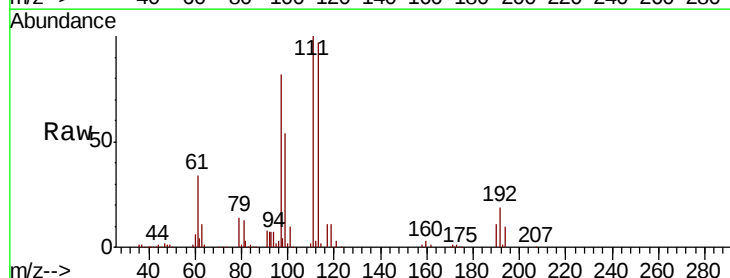
Tgt Ion: 97 Resp: 112540

Ion Ratio Lower Upper

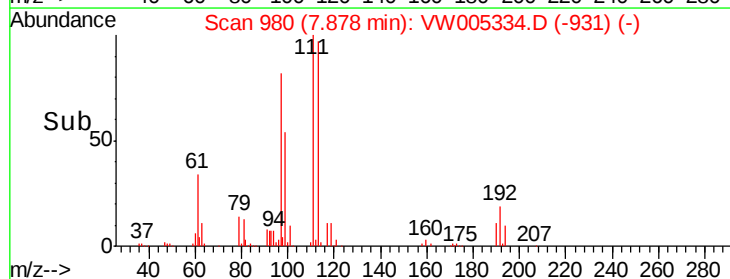
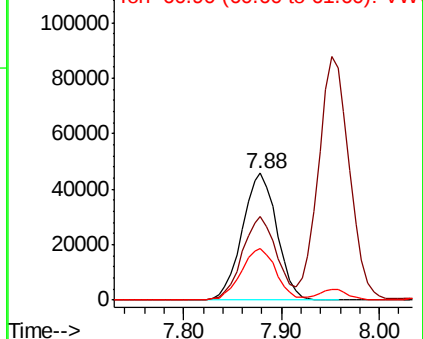
97 100

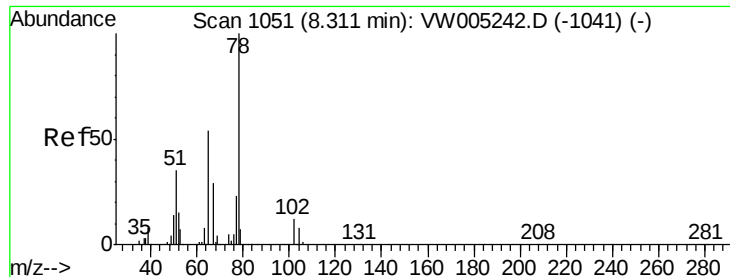
99 65.8 51.5 77.3

61 41.2 32.5 48.7



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

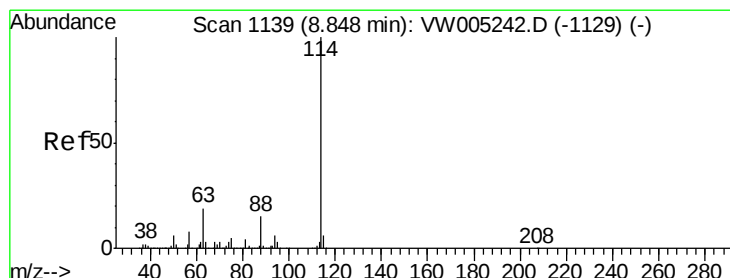
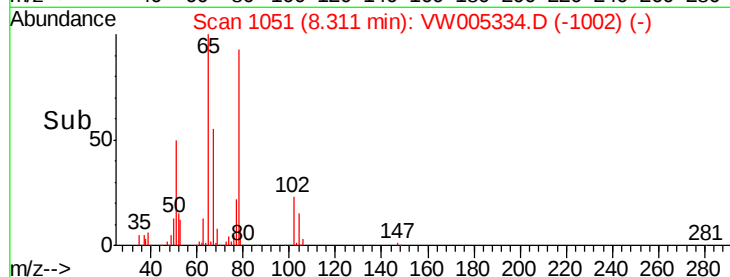
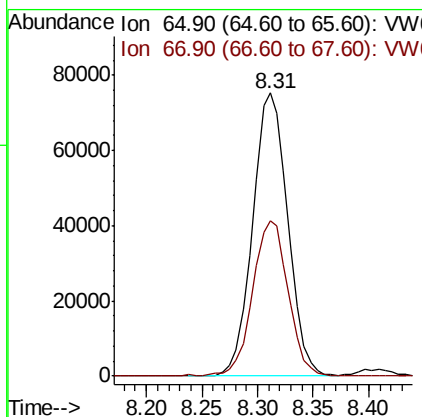
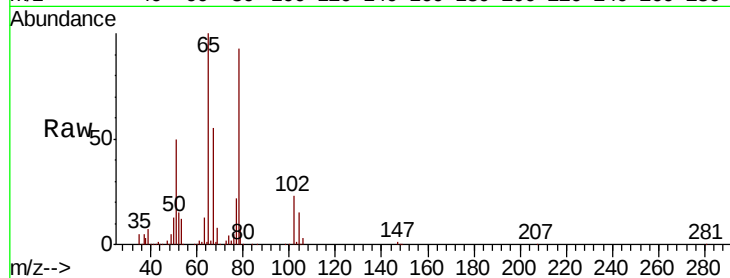




#33
 1,2-Dichloroethane-d4
 Concen: 55.492 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

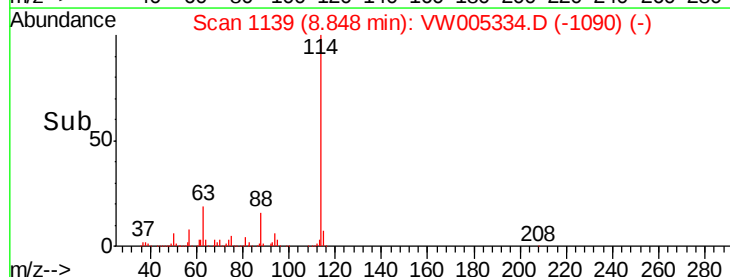
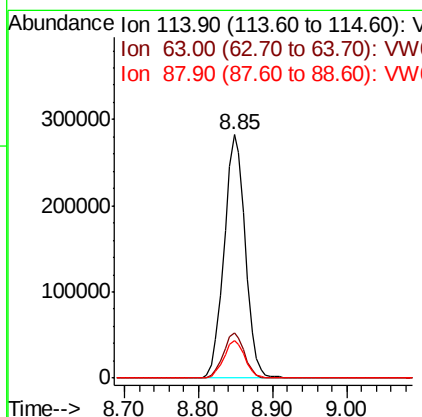
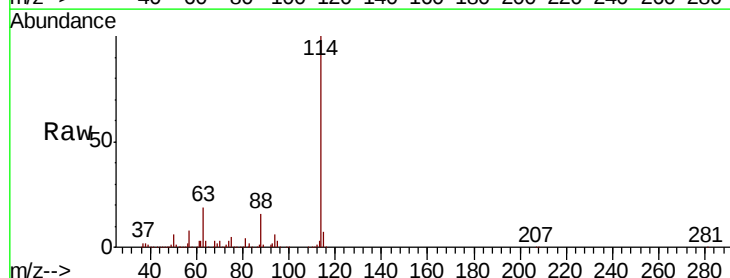
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

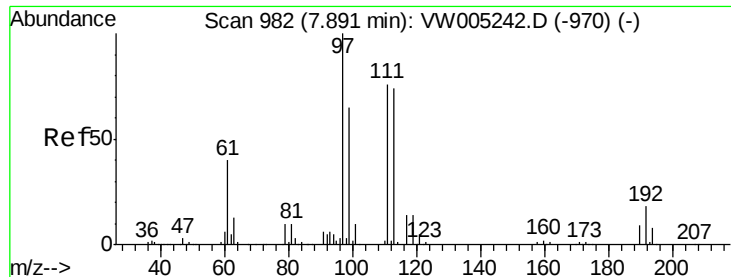
Tgt Ion: 65 Resp: 165355
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion: 114 Resp: 559680
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.0
 88 15.6 0.0 30.4

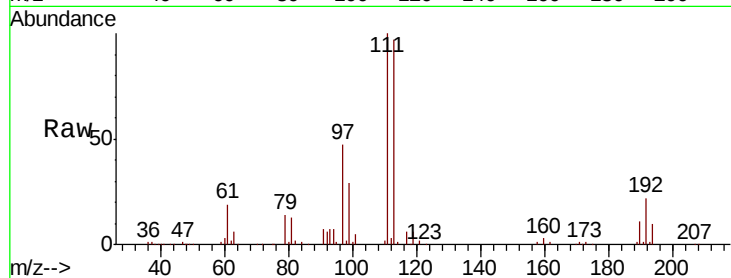




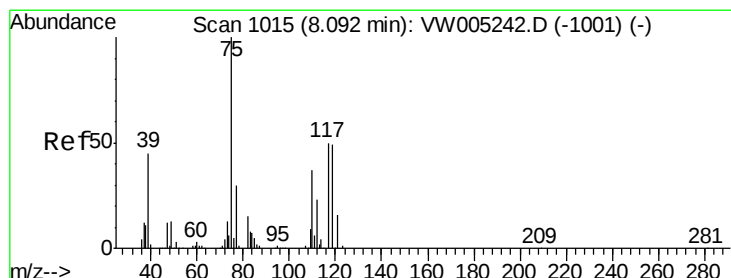
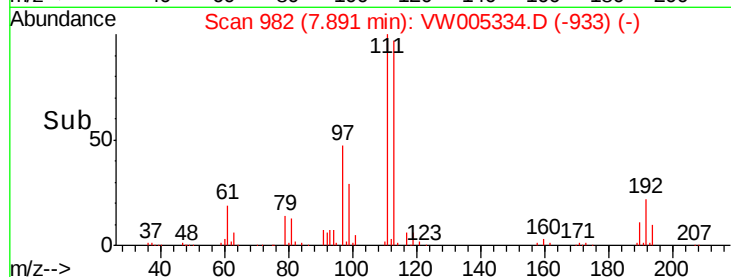
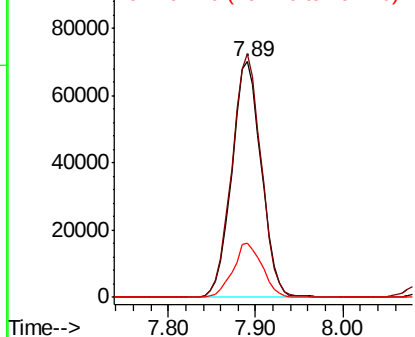
#35
 Dibromofluoromethane
 Concen: 56.018 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

Tgt Ion: 113 Resp: 164234
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.6 121.0
 192 22.7 18.3 27.5

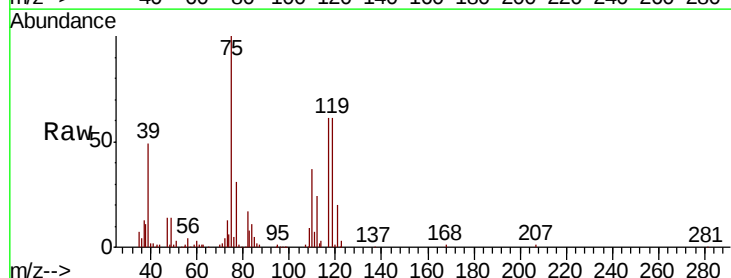


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

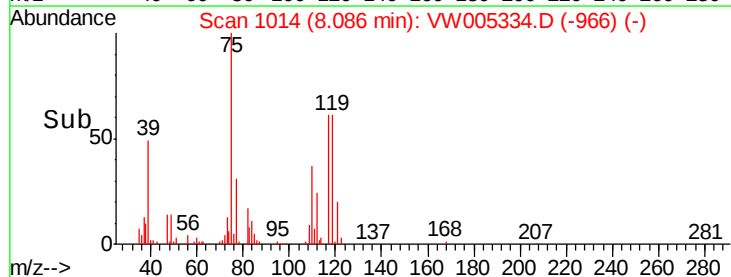
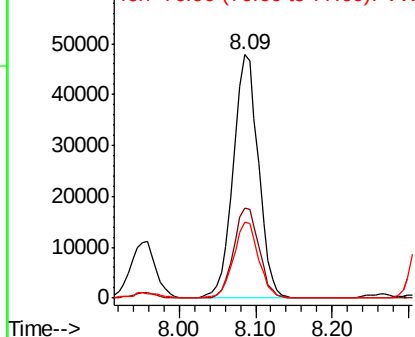


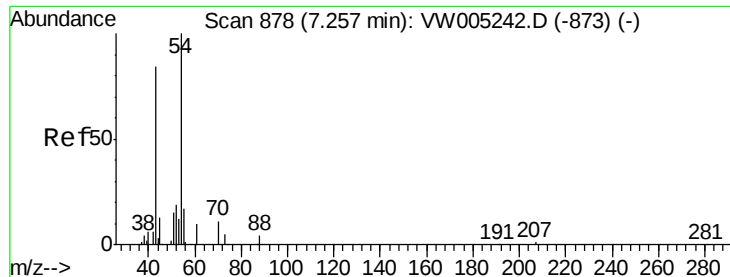
#36
 1,1-Dichloropropene
 Concen: 21.336 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion: 75 Resp: 109403
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.8 56.4
 77 31.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 24.447 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

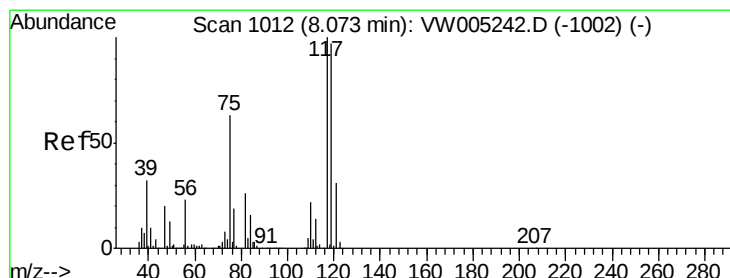
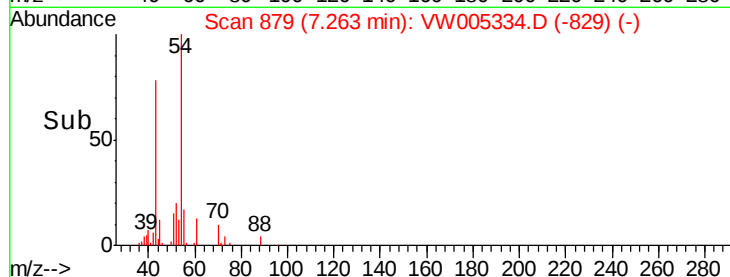
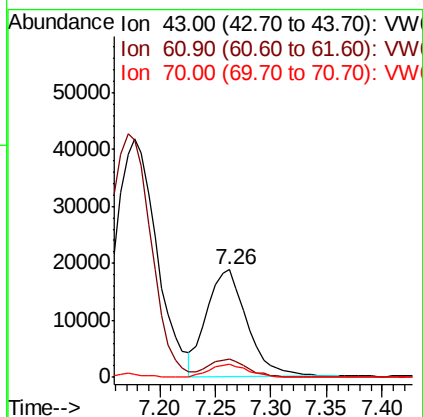
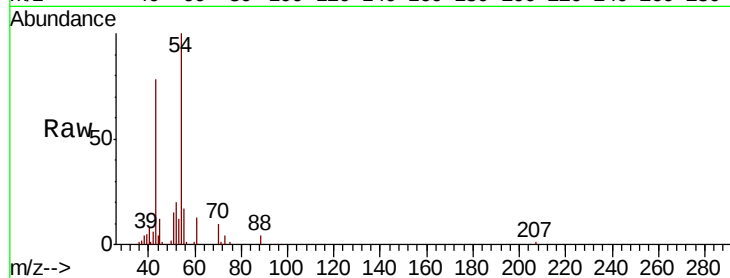
Tgt Ion: 43 Resp: 47680

Ion Ratio Lower Upper

43 100

61 16.5 12.3 18.5

70 11.7 9.5 14.3



#38

Carbon Tetrachloride

Concen: 21.207 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

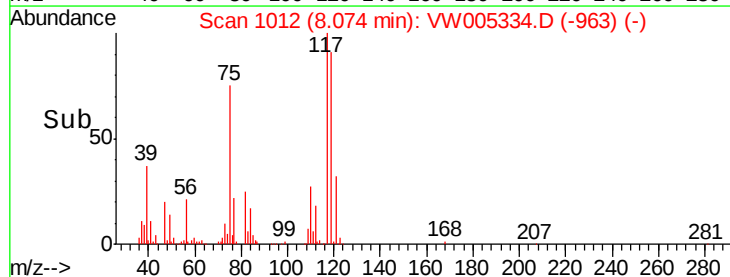
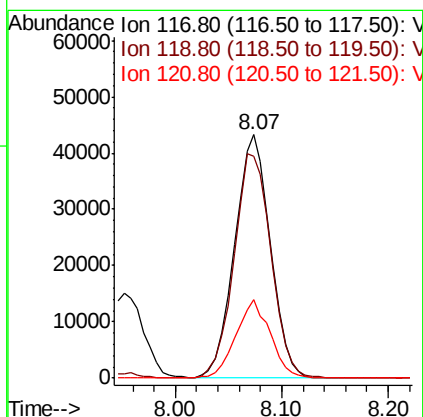
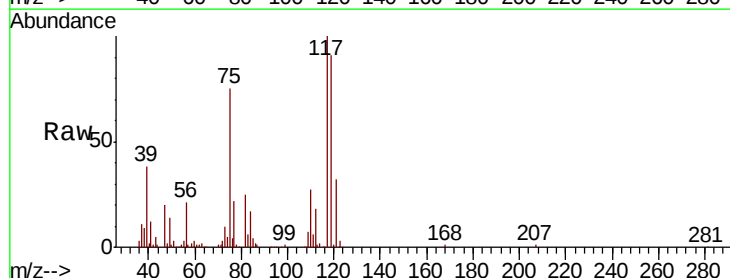
Tgt Ion: 117 Resp: 101865

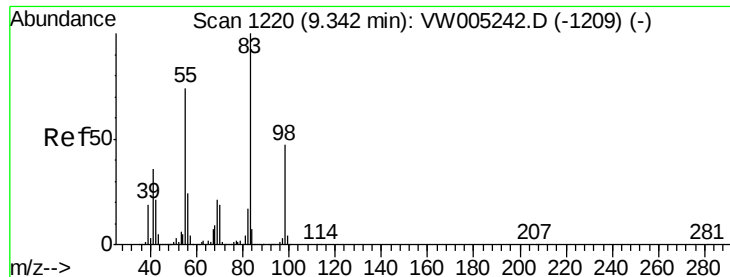
Ion Ratio Lower Upper

117 100

119 91.1 77.5 116.3

121 32.2 24.7 37.1

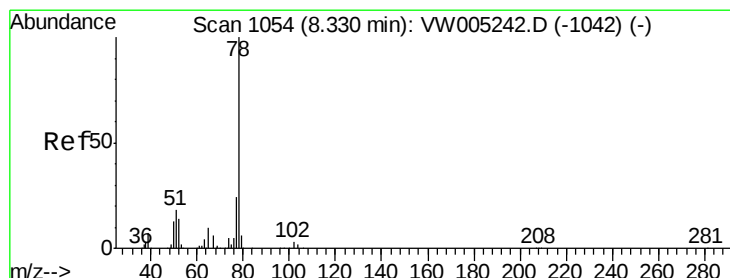
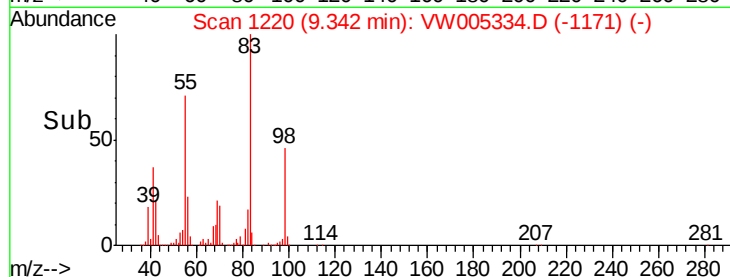
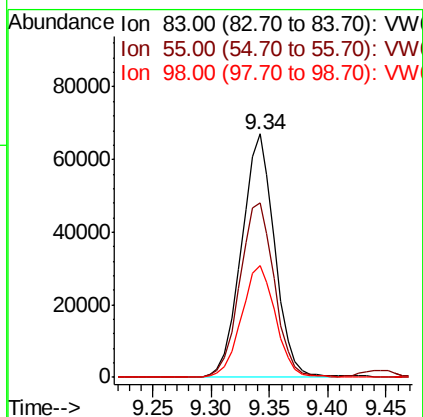
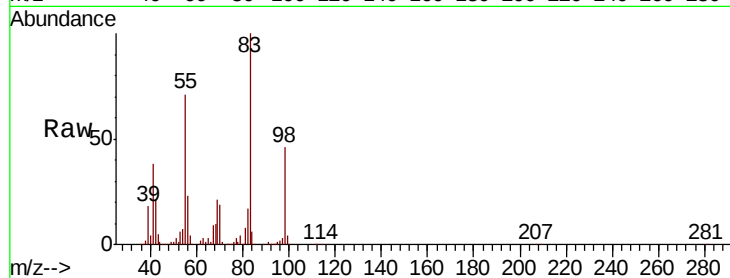




#39
Methylcyclohexane
Concen: 19.552 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

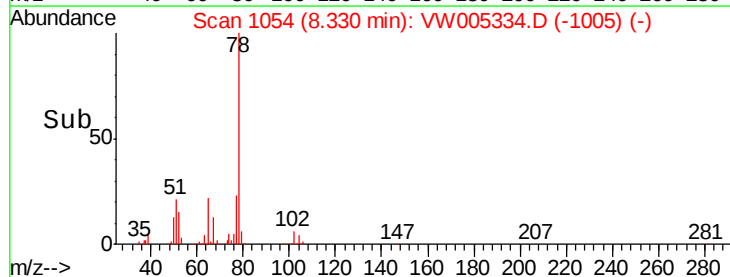
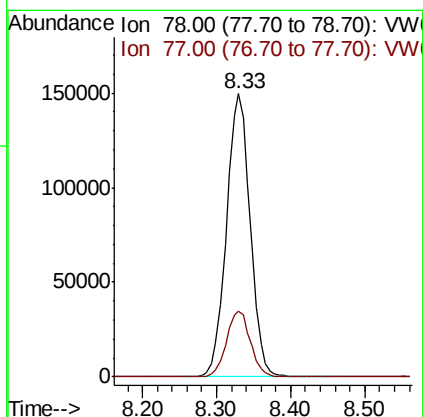
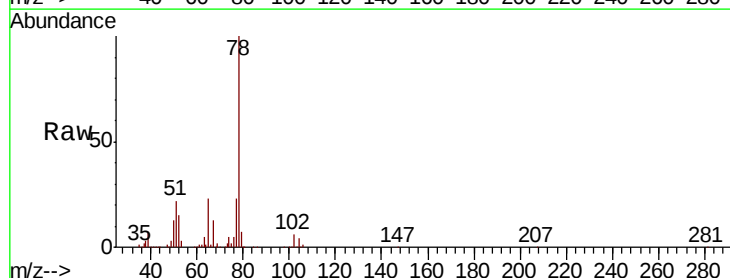
Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

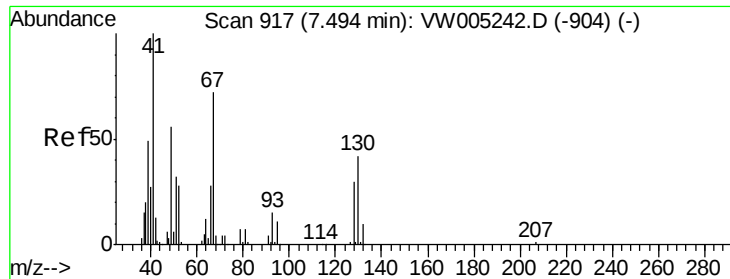
Tgt Ion: 83 Resp: 133110
Ion Ratio Lower Upper
83 100
55 71.5 58.9 88.3
98 45.9 37.6 56.4



#40
Benzene
Concen: 21.952 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion: 78 Resp: 331622
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3





#41

Methacrylonitrile

Concen: 26.199 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

Tgt Ion: 41 Resp: 26215

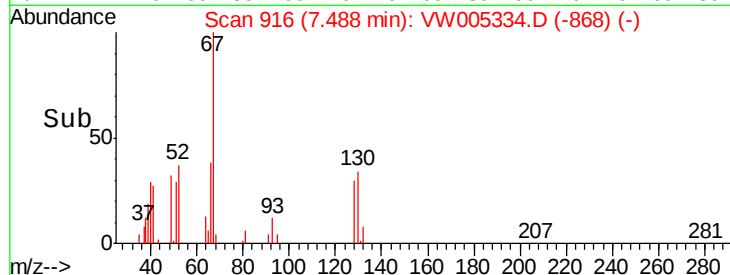
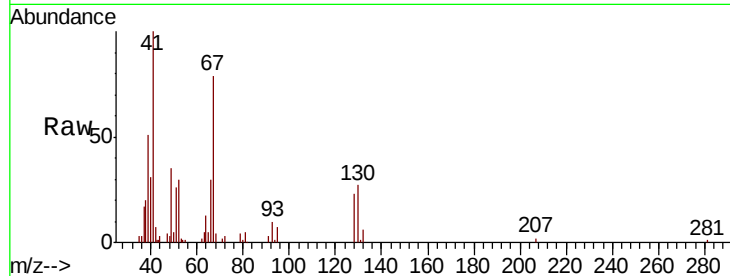
Ion Ratio Lower Upper

41 100

39 58.8 39.9 59.9

67 81.8 65.7 98.5

52 30.3 25.1 37.7

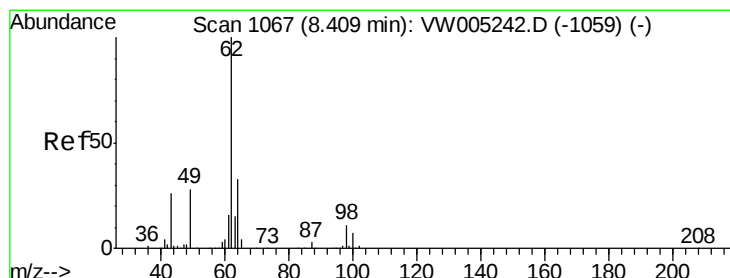
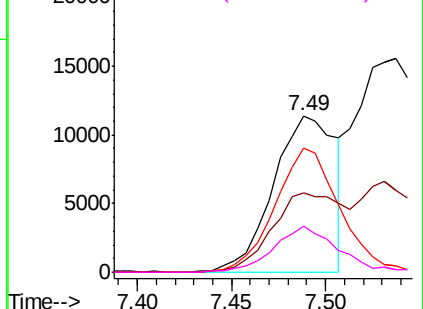


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 23.276 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VW005334.D

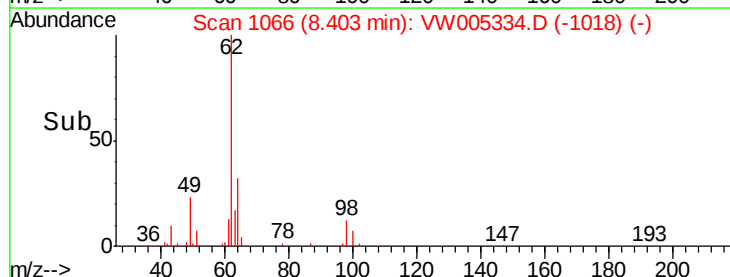
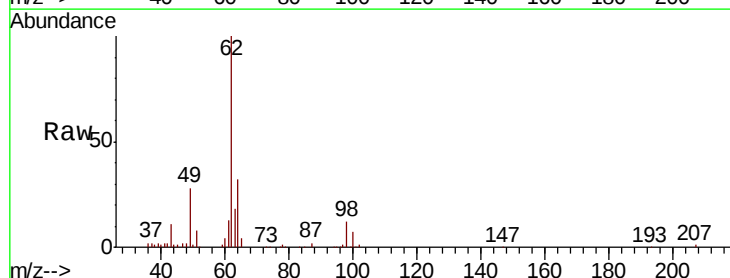
Acq: 12 Sep 2018 18:57

Tgt Ion: 62 Resp: 84121

Ion Ratio Lower Upper

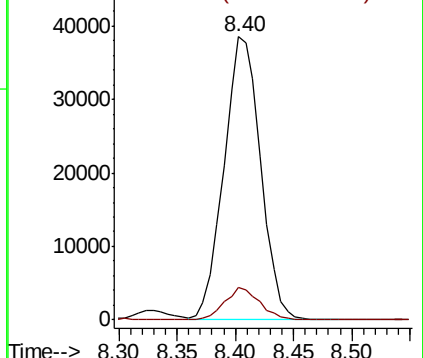
62 100

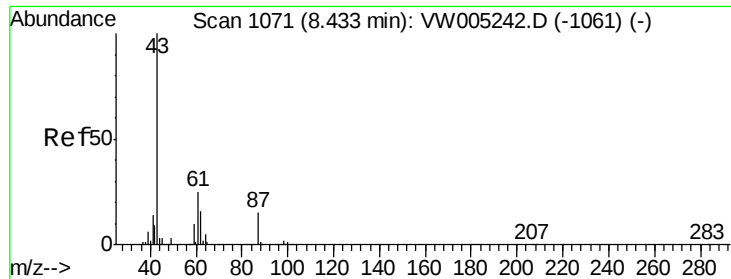
98 10.9 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

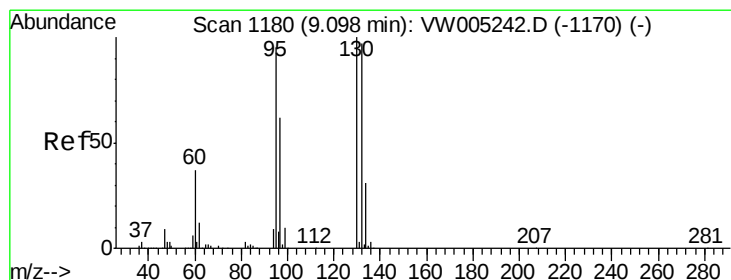
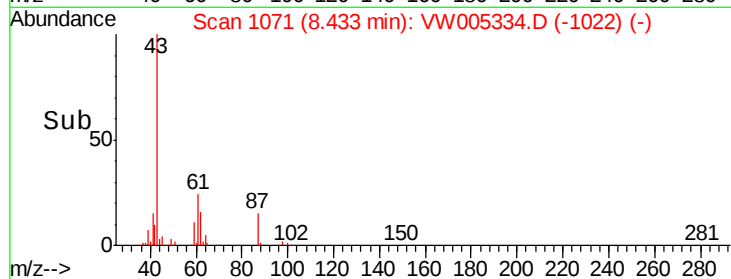
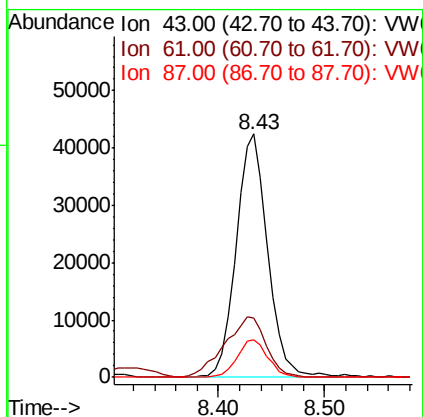
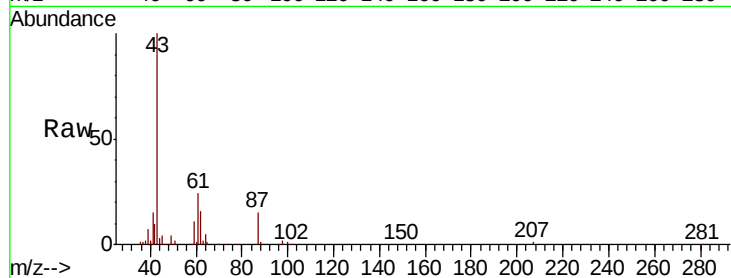




#43
Isopropyl Acetate
Concen: 24.325 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

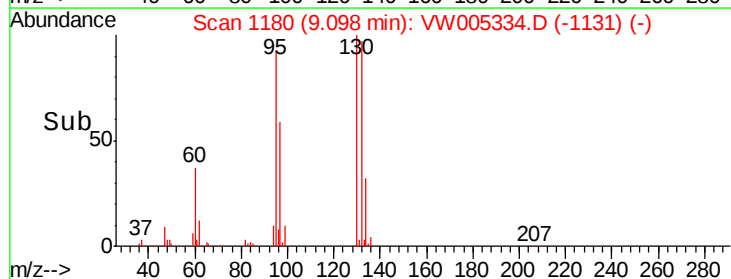
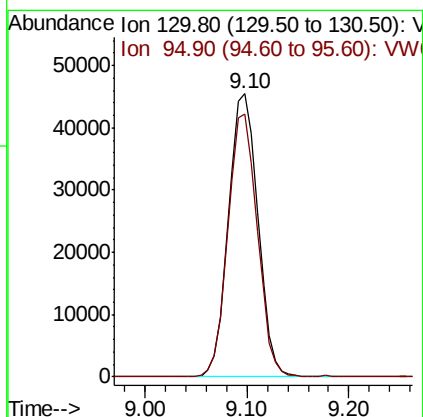
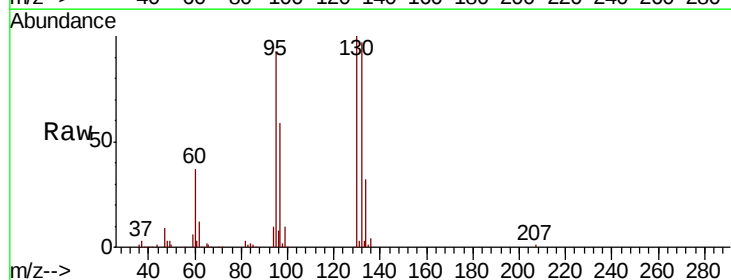
Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

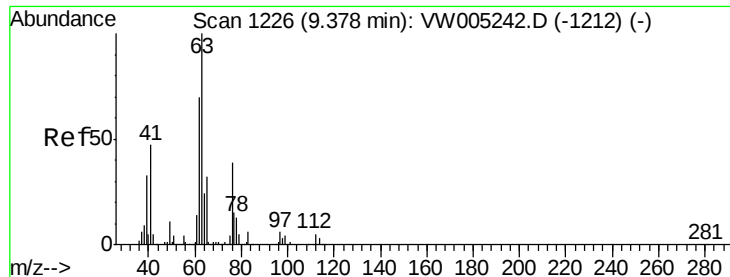
Tgt Ion: 43 Resp: 88099
Ion Ratio Lower Upper
43 100
61 32.5 25.4 38.0
87 15.1 11.9 17.9



#44
Trichloroethene
Concen: 21.972 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion: 130 Resp: 91060
Ion Ratio Lower Upper
130 100
95 92.8 0.0 189.6





#45

1,2-Dichloropropane

Concen: 22.524 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

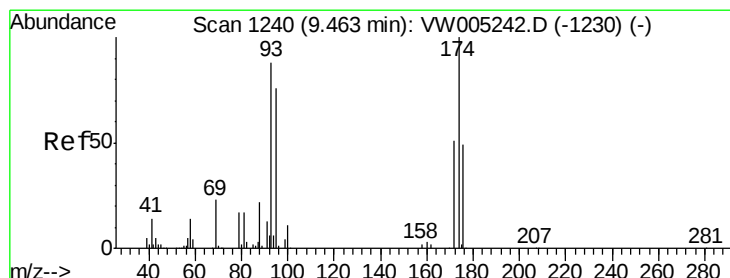
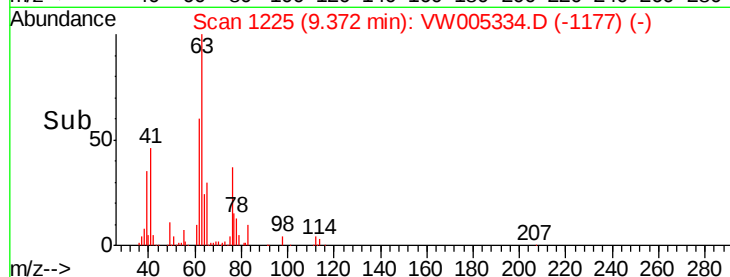
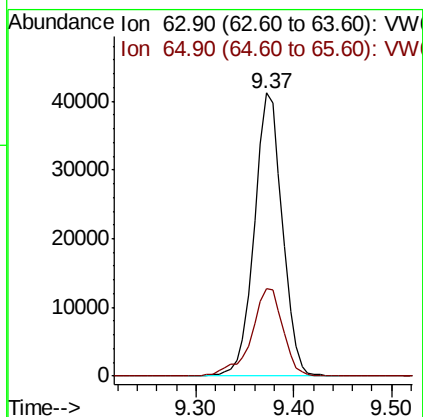
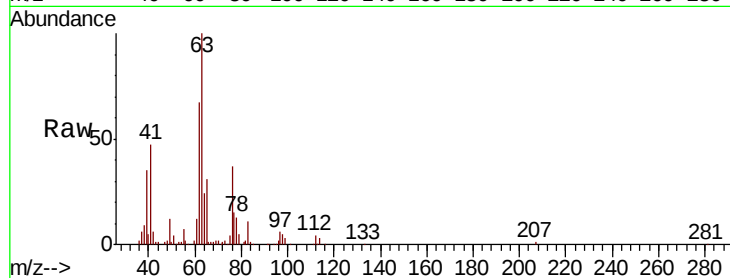
VW0912SBSD01

Tgt Ion: 63 Resp: 81785

Ion Ratio Lower Upper

63 100

65 30.8 25.4 38.2



#46

Dibromomethane

Concen: 22.984 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

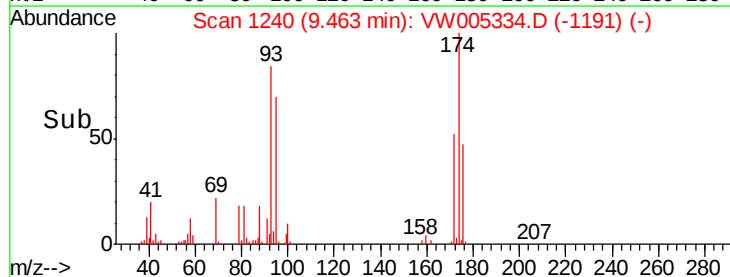
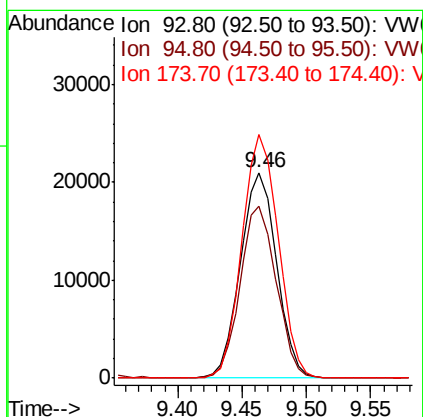
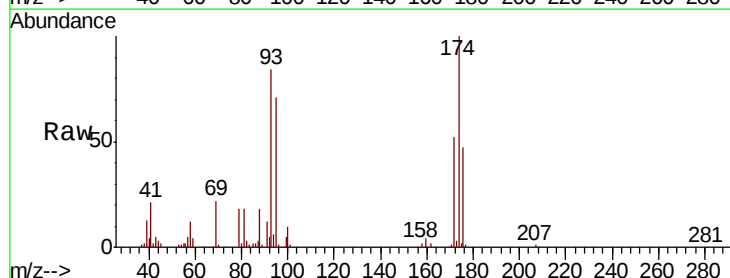
Tgt Ion: 93 Resp: 40851

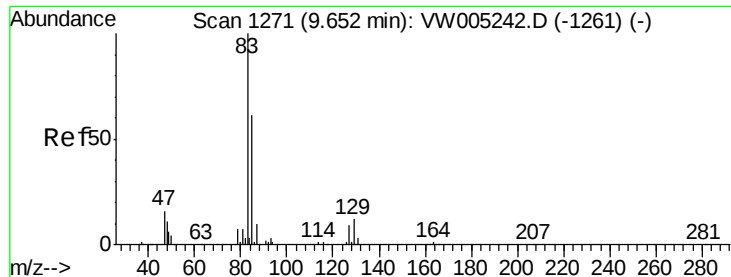
Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.4

174 118.8 92.2 138.2





#47

Bromodichloromethane

Concen: 22.071 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

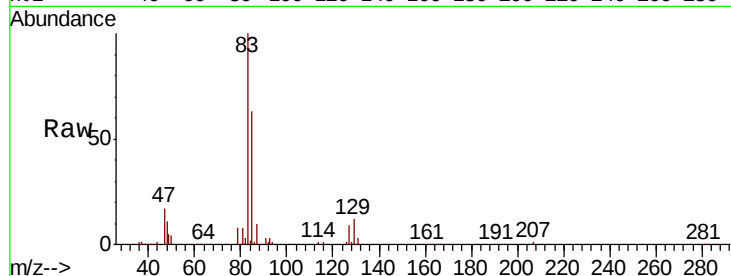
Tgt Ion: 83 Resp: 95962

Ion Ratio Lower Upper

83 100

85 63.5 49.0 73.6

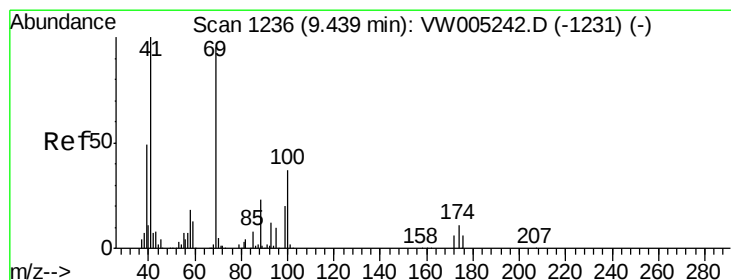
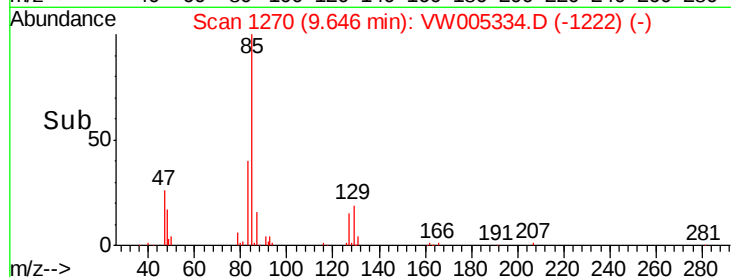
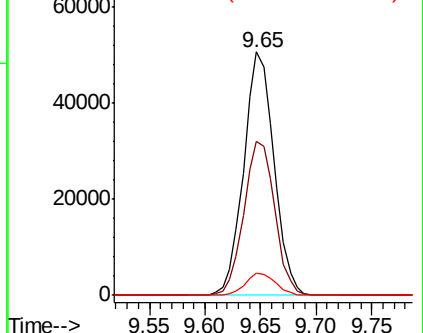
127 9.3 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 22.153 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

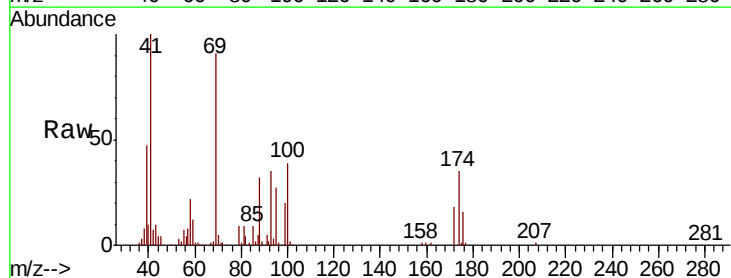
Tgt Ion: 41 Resp: 41661

Ion Ratio Lower Upper

41 100

69 102.0 74.6 112.0

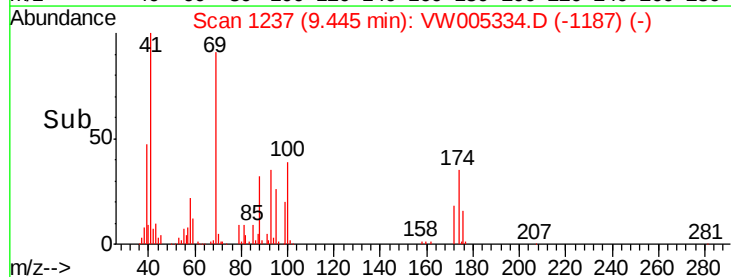
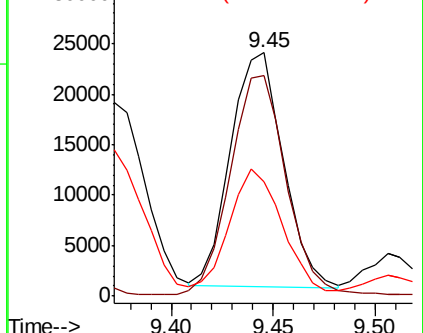
39 55.8 36.7 55.1#

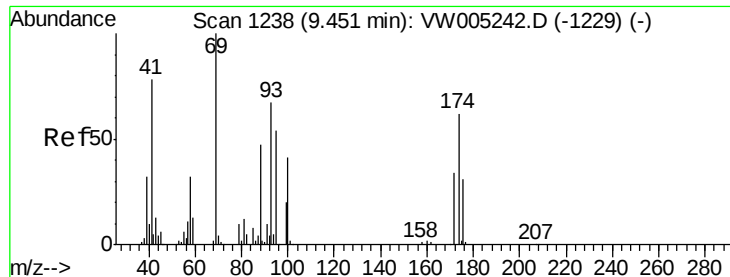


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 483.007 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

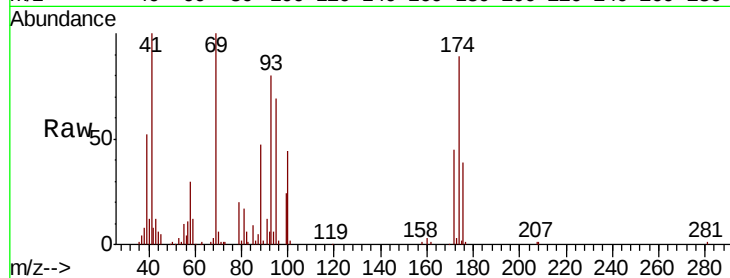
Tgt Ion: 88 Resp: 16028

Ion Ratio Lower Upper

88 100

43 27.6 22.7 34.1

58 67.7 56.6 85.0

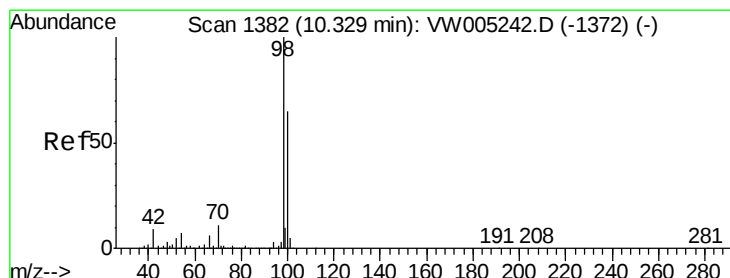
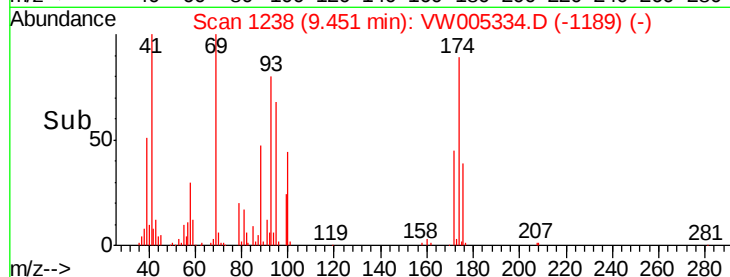
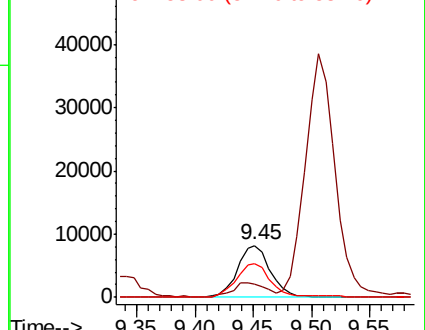


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.493 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005334.D

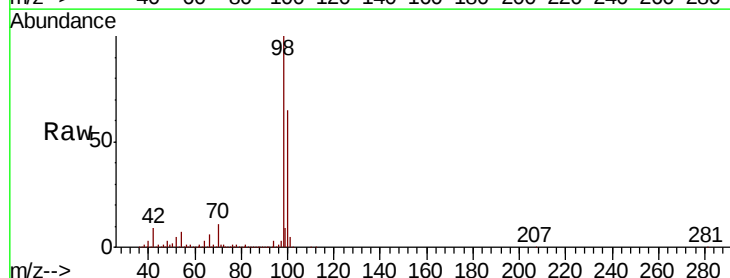
Acq: 12 Sep 2018 18:57

Tgt Ion: 98 Resp: 762859

Ion Ratio Lower Upper

98 100

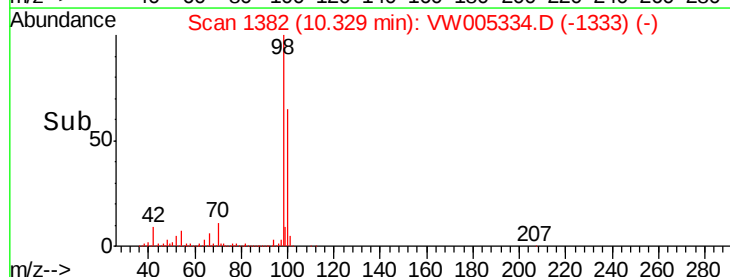
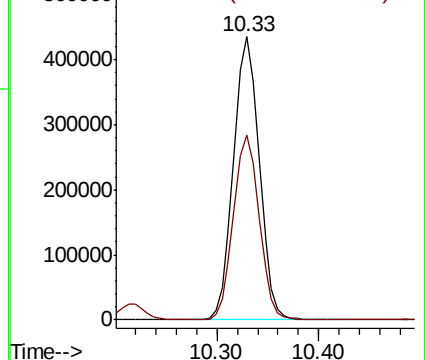
100 65.2 52.0 78.0

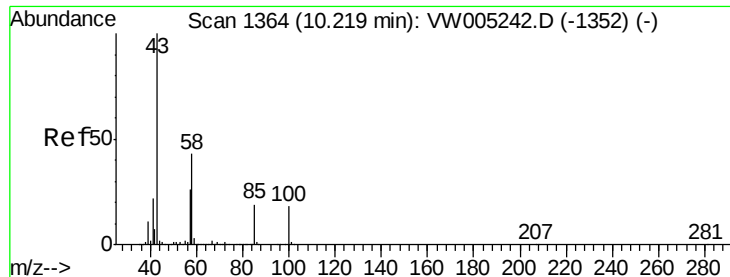


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

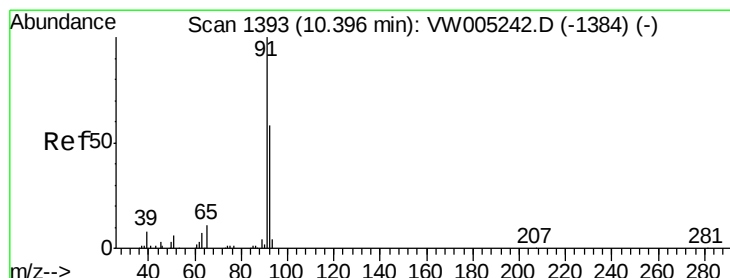
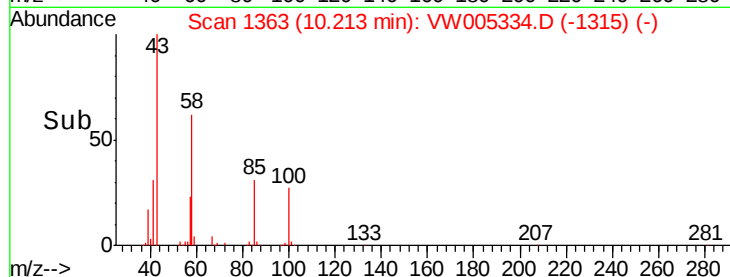
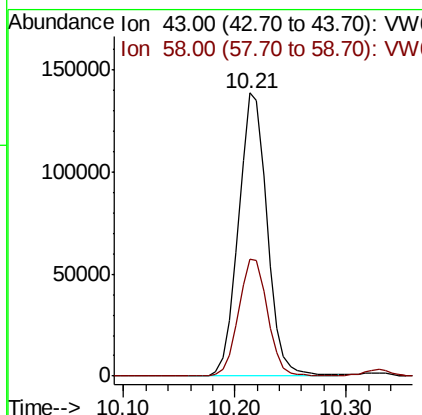
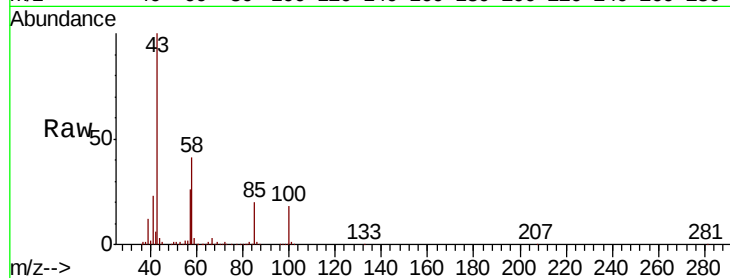




#51
 4-Methyl-2-Pentanone
 Concen: 121.341 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

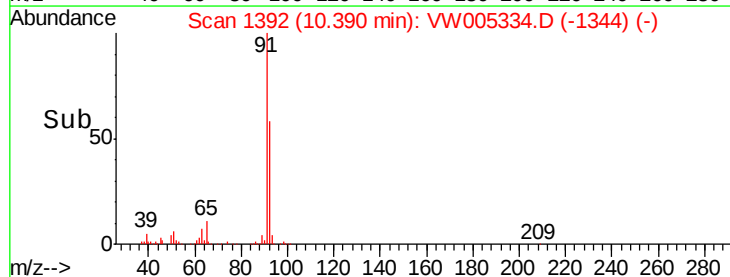
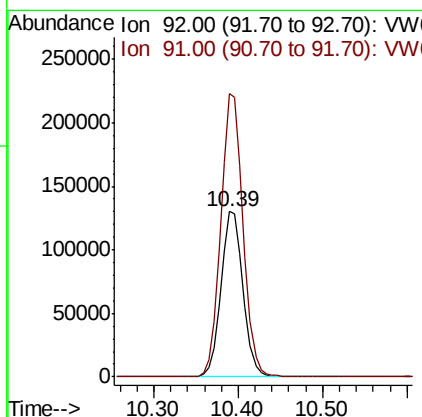
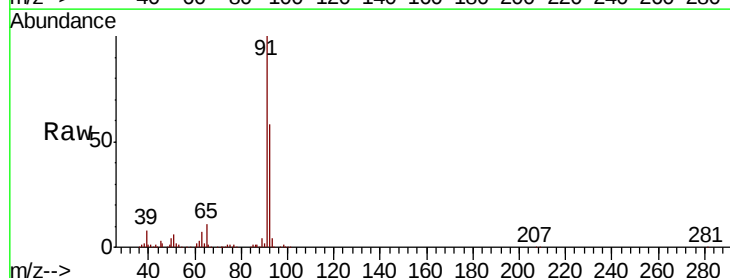
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

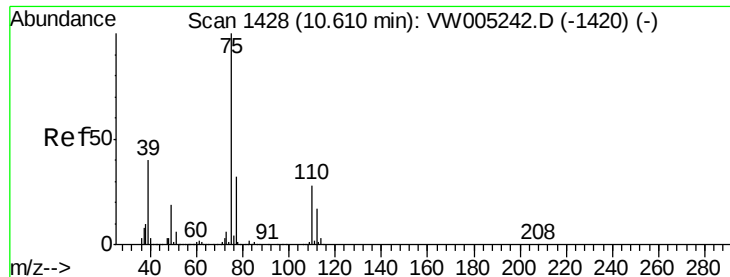
Tgt Ion: 43 Resp: 247312
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.8 50.6



#52
 Toluene
 Concen: 21.354 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion: 92 Resp: 234452
 Ion Ratio Lower Upper
 92 100
 91 172.6 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 21.774 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

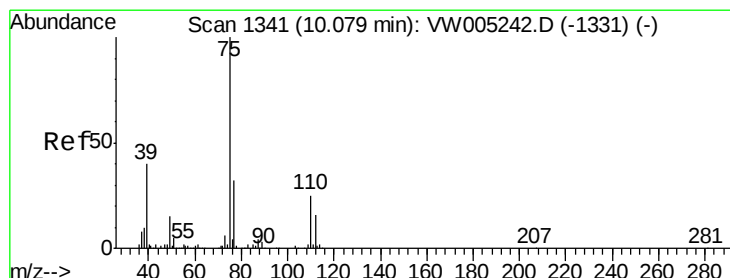
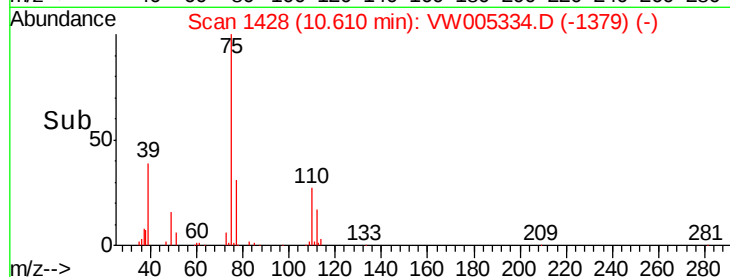
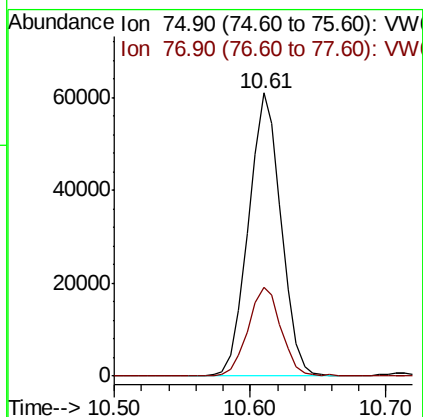
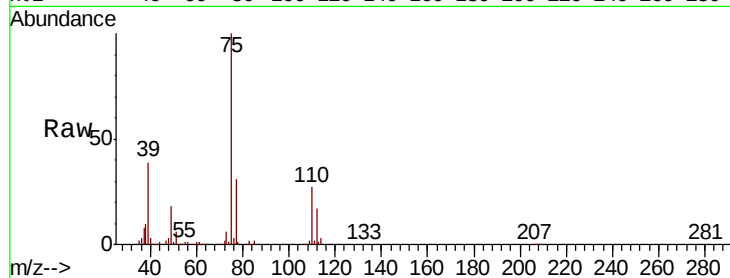
VW0912SBSD01

Tgt Ion: 75 Resp: 102312

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 21.642 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

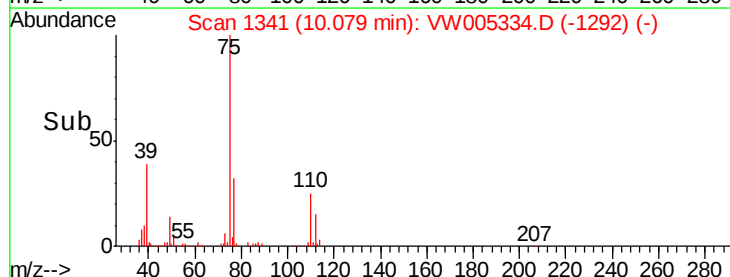
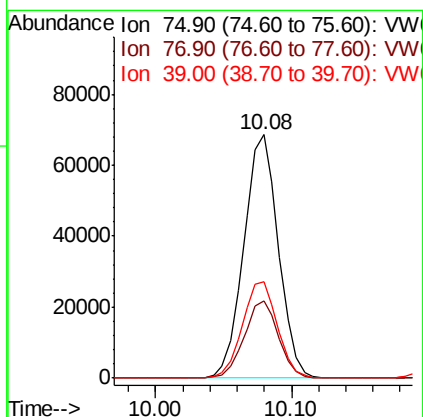
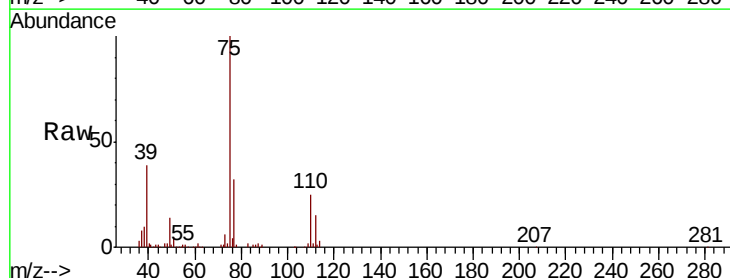
Tgt Ion: 75 Resp: 121779

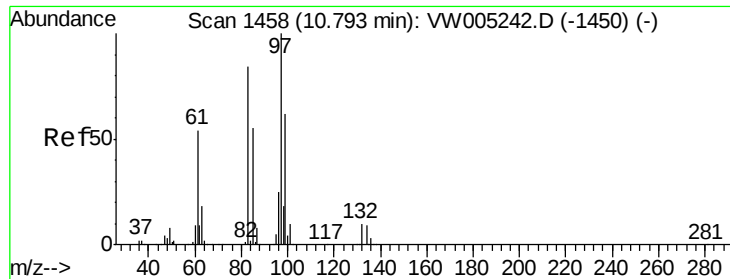
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 39.3 31.8 47.6

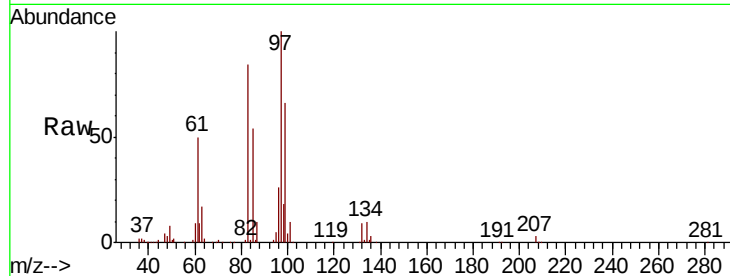




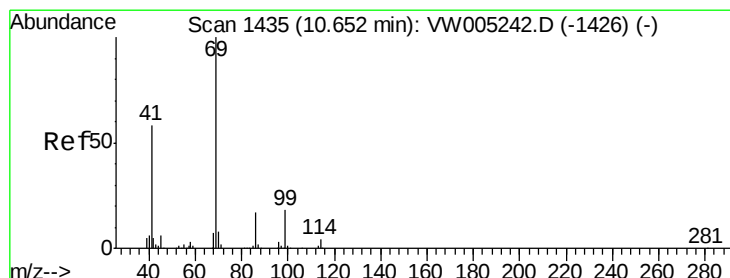
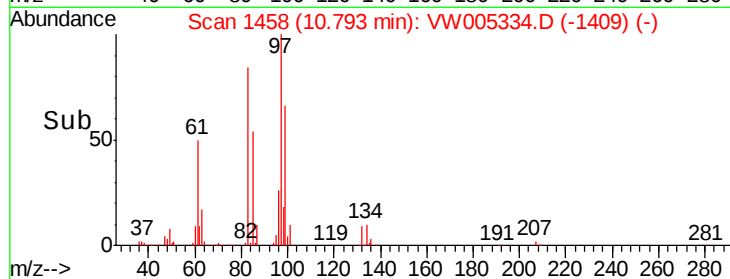
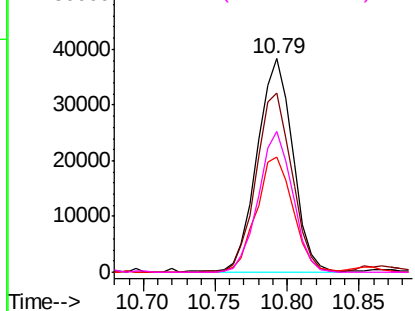
#55
 1,1,2-Trichloroethane
 Concen: 23.002 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

Tgt Ion:	97	Resp:	65186
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.2	100.8
85	54.3	44.4	66.6
99	66.0	49.2	73.8

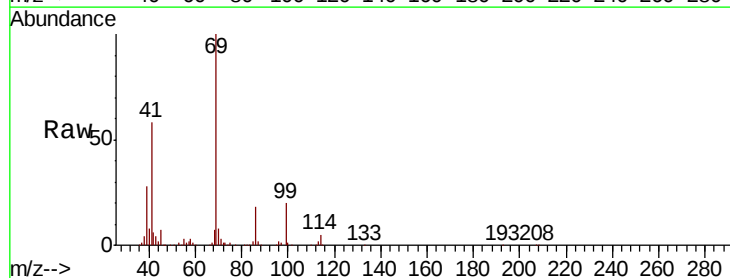


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

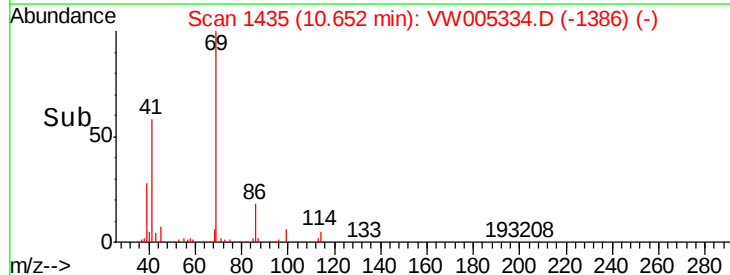
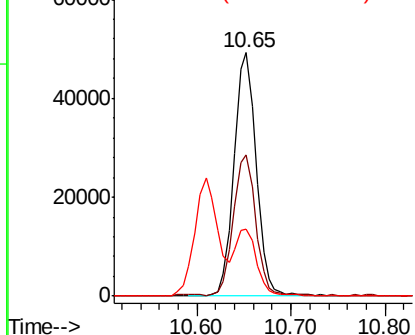


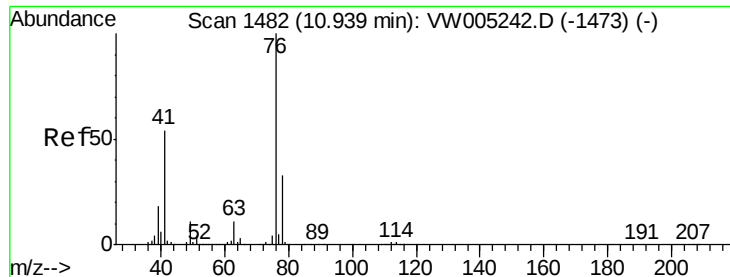
#56
 Ethyl methacrylate
 Concen: 22.483 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion:	69	Resp:	80776
Ion	Ratio	Lower	Upper
69	100		
41	58.2	48.7	73.1
39	26.4	20.9	31.3



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

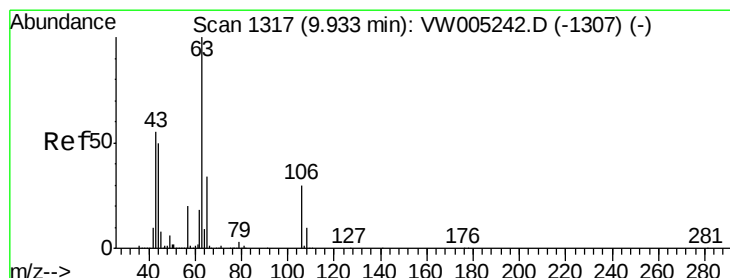
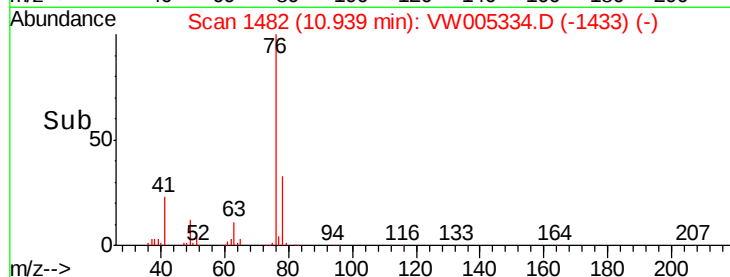
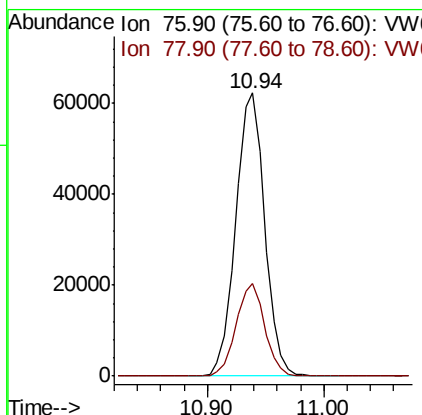
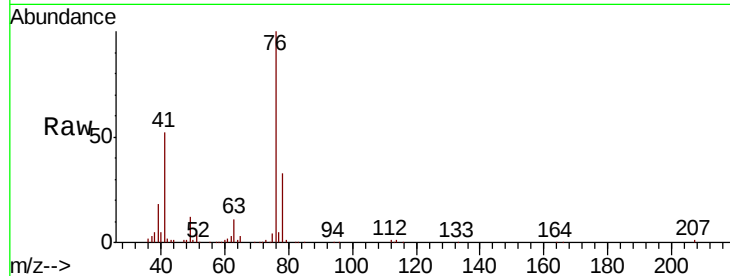




#57
 1,3-Dichloropropane
 Concen: 22.931 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

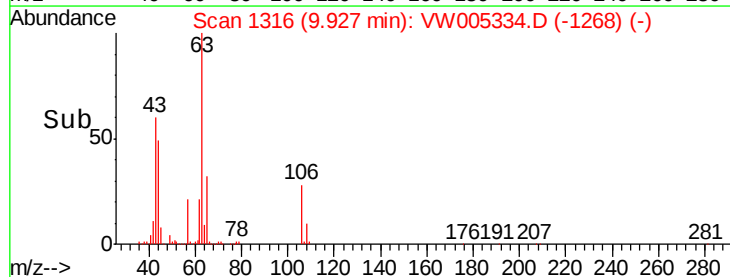
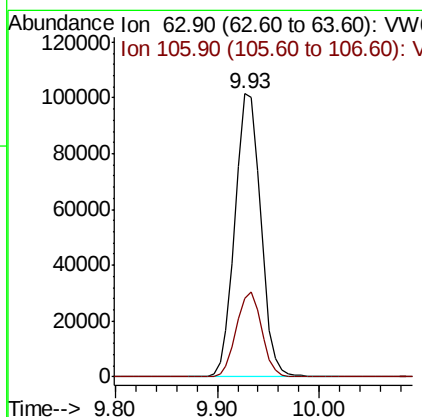
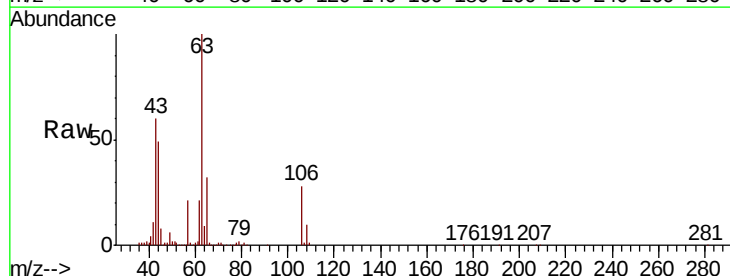
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

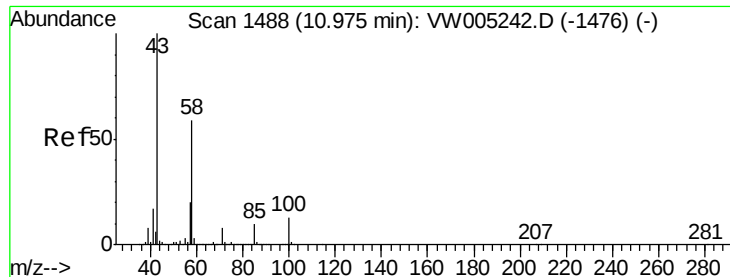
Tgt Ion: 76 Resp: 107906
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.850 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion: 63 Resp: 177781
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.4 35.0

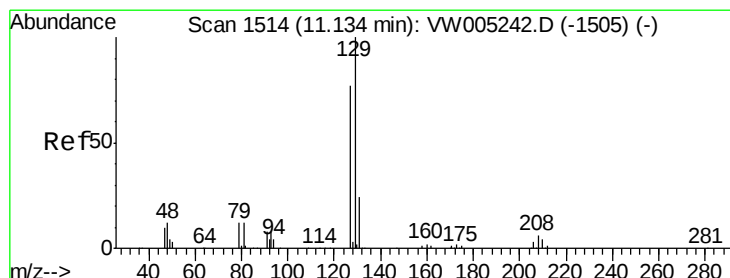
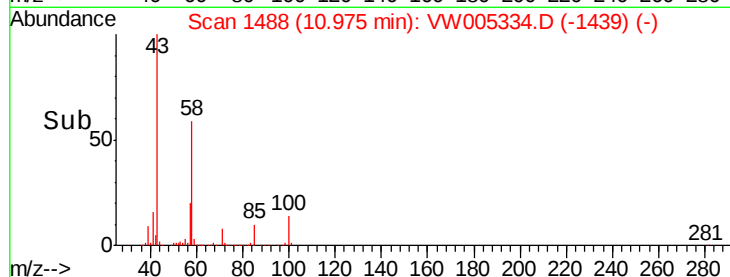
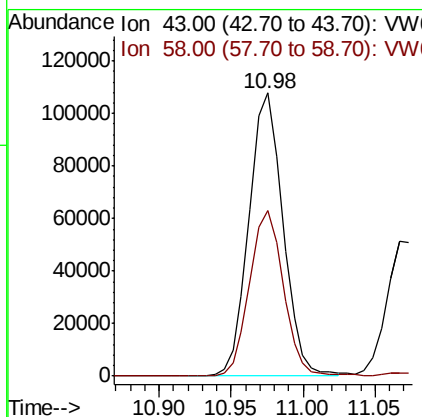
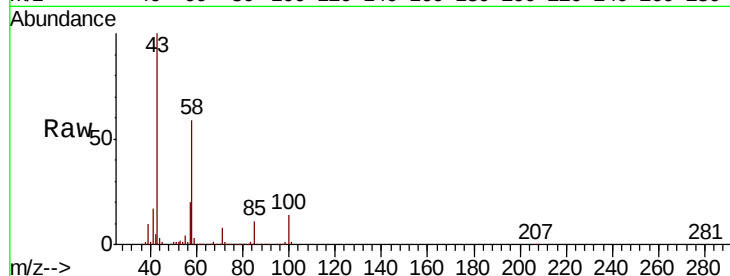




#59
2-Hexanone
Concen: 119.916 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

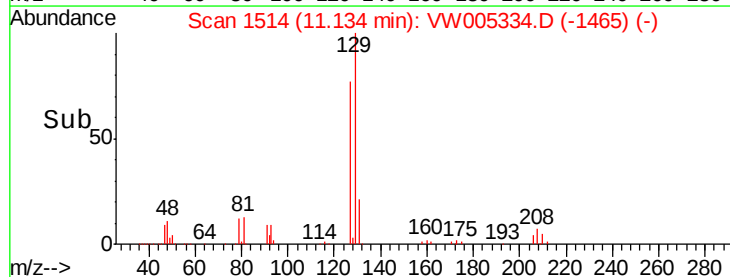
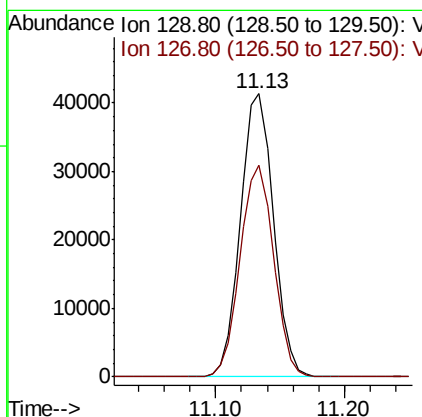
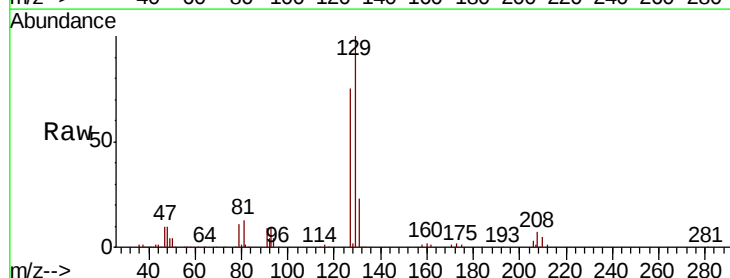
Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

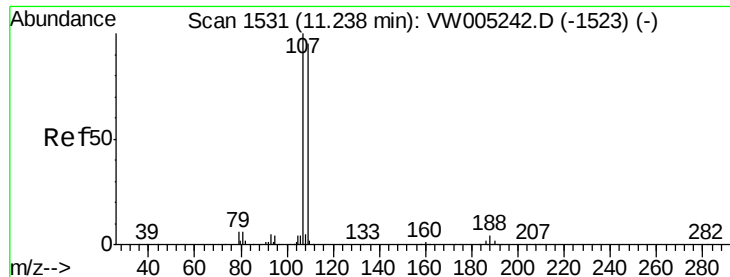
Tgt Ion: 43 Resp: 176199
Ion Ratio Lower Upper
43 100
58 58.5 29.3 87.9



#60
Dibromochloromethane
Concen: 23.309 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion: 129 Resp: 73297
Ion Ratio Lower Upper
129 100
127 75.9 39.0 117.0





#61

1,2-Dibromoethane

Concen: 23.346 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

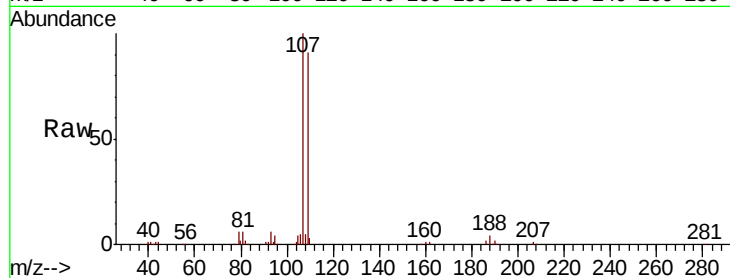
VW0912SBSD01

Tgt Ion: 107 Resp: 60672

Ion Ratio Lower Upper

107 100

109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

40000

30000

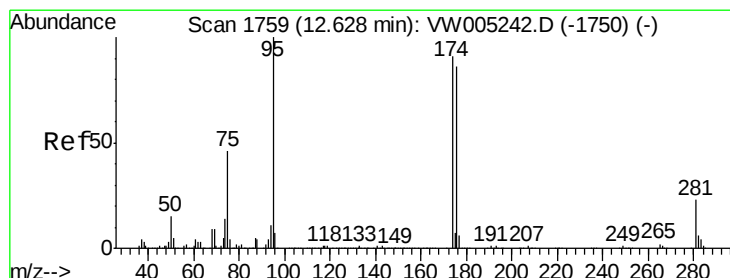
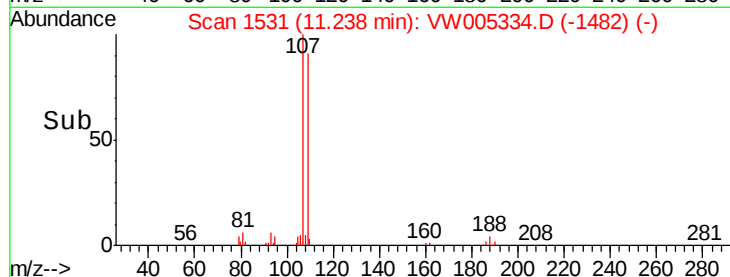
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 53.296 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

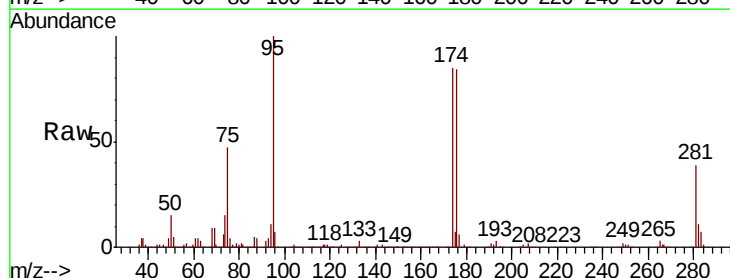
Tgt Ion: 95 Resp: 288804

Ion Ratio Lower Upper

95 100

174 88.4 0.0 174.6

176 86.7 0.0 167.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

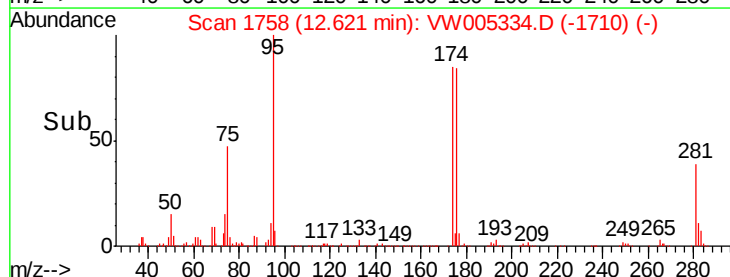
100000

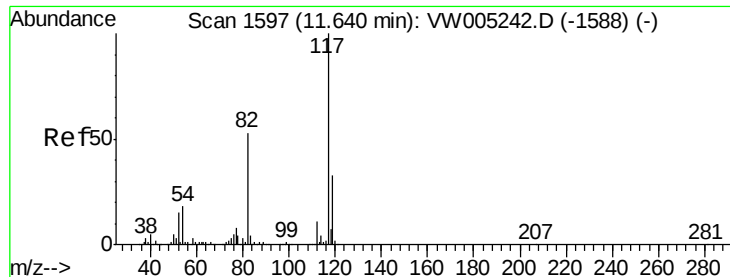
50000

0

Time-->

12.60 12.70

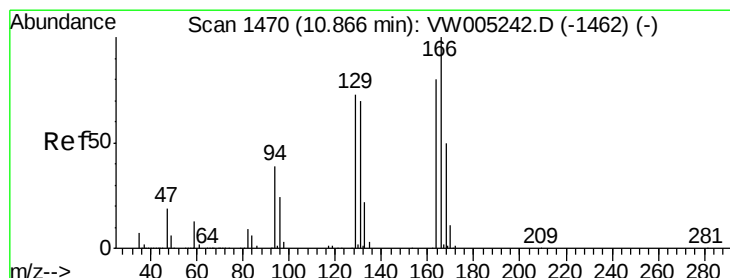
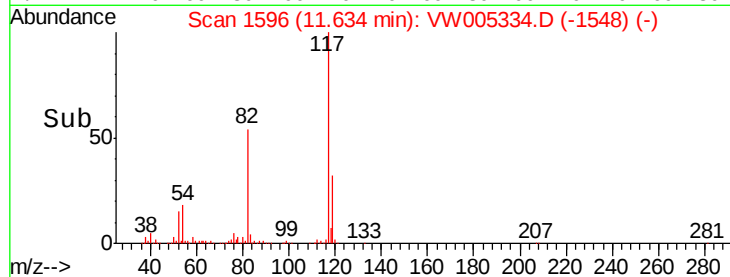
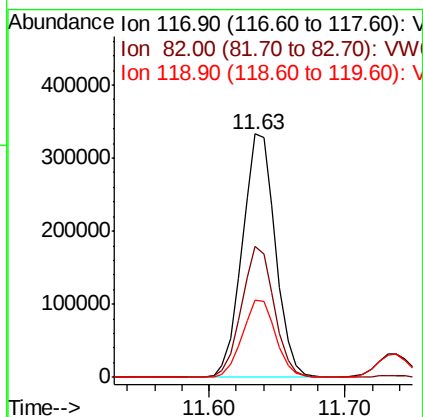
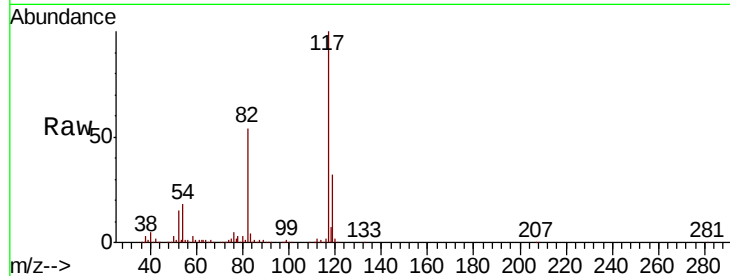




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

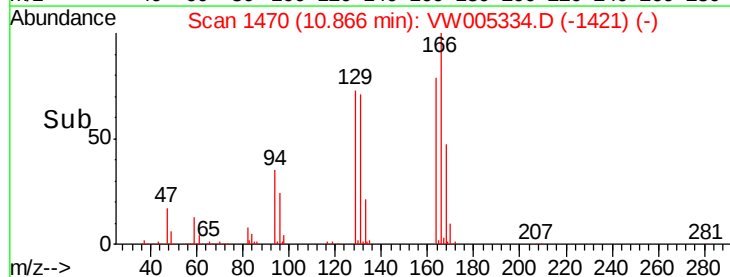
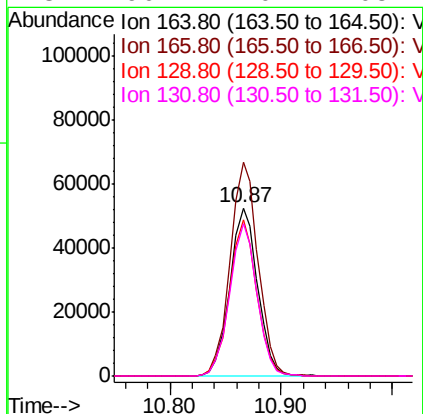
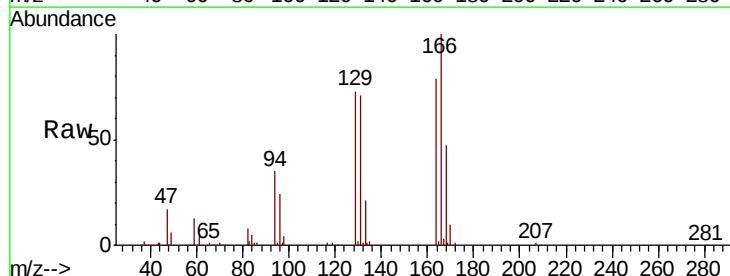
Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

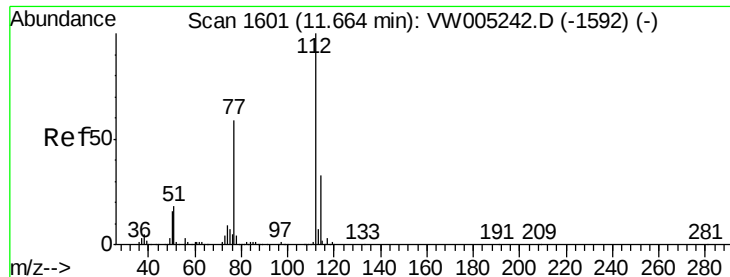
Tgt Ion:117 Resp: 565845
Ion Ratio Lower Upper
117 100
82 53.8 42.6 63.8
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 21.636 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion:164 Resp: 90828
Ion Ratio Lower Upper
164 100
166 126.9 100.2 150.2
129 92.5 73.2 109.8
131 90.4 70.2 105.4





#65

Chlorobenzene

Concen: 21.357 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

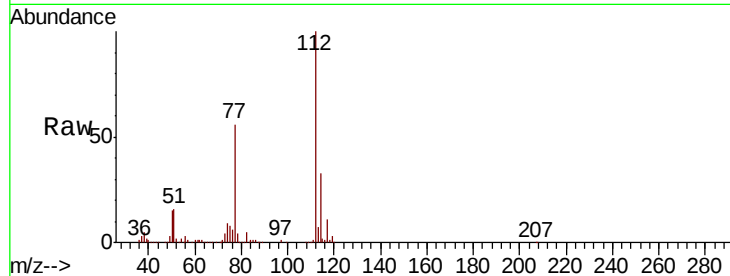
VW0912SBSD01

Tgt Ion:112 Resp: 264733

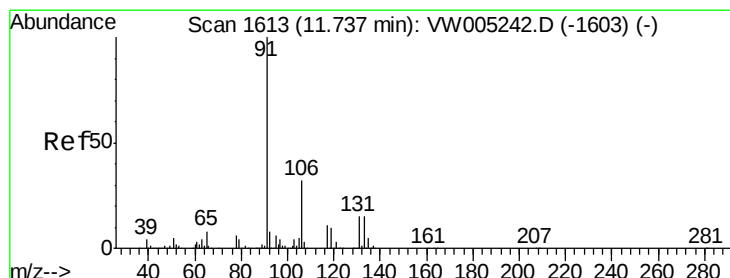
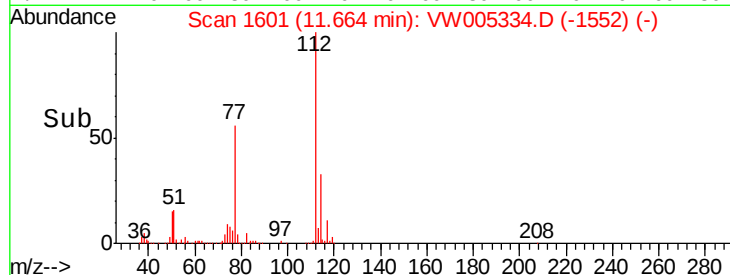
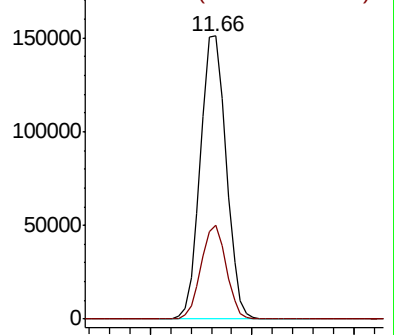
Ion Ratio Lower Upper

112 100

114 33.1 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.548 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

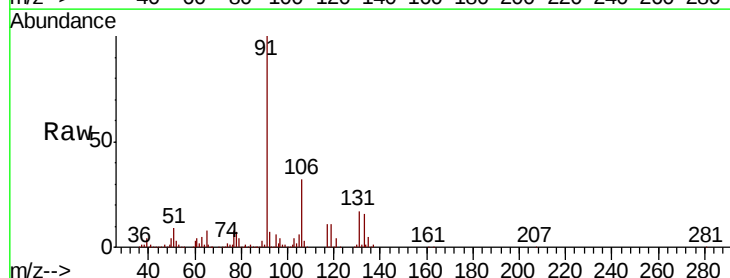
Tgt Ion:131 Resp: 79750

Ion Ratio Lower Upper

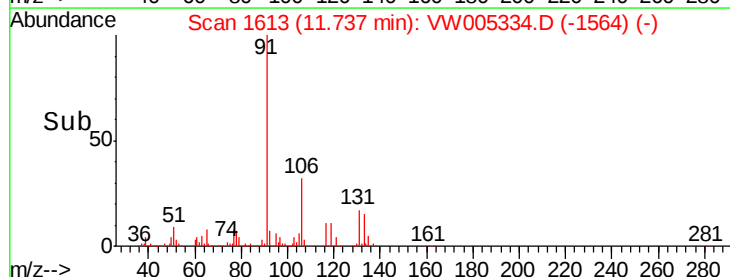
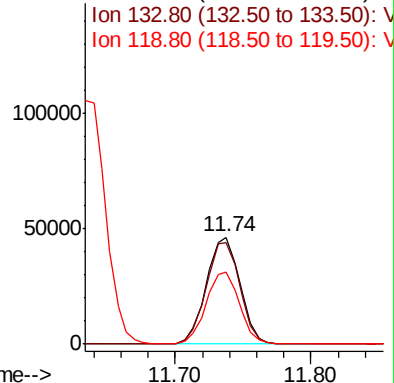
131 100

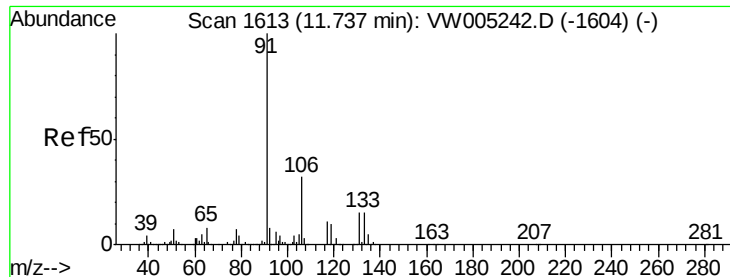
133 96.2 48.1 144.3

119 67.2 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V

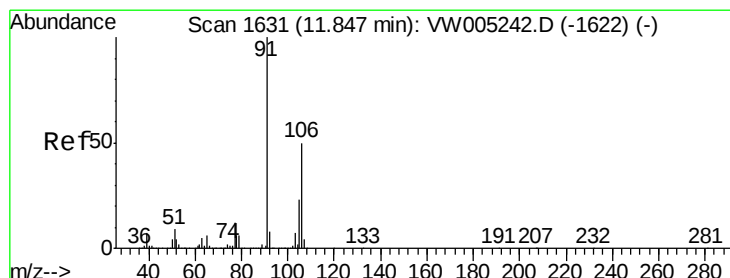
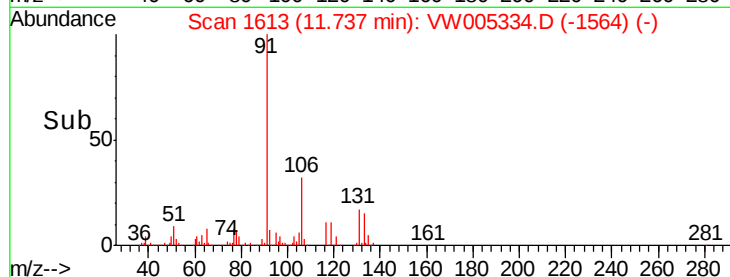
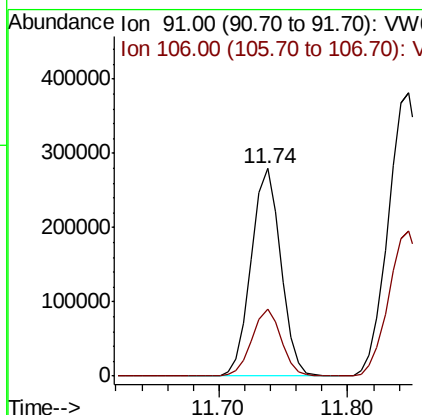
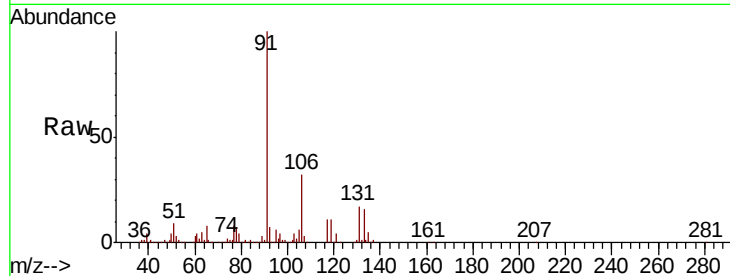




#67
Ethyl Benzene
Concen: 20.525 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

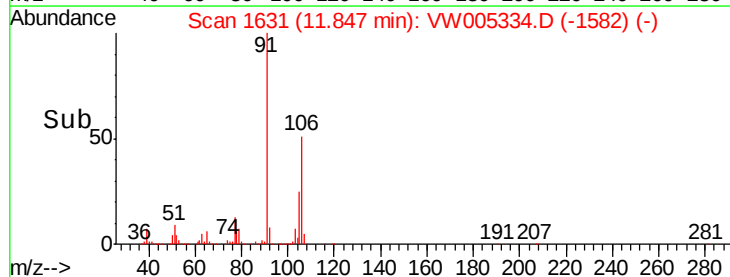
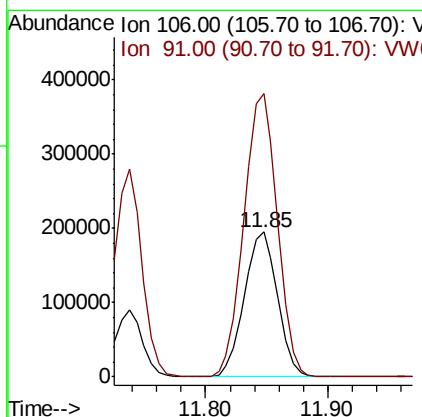
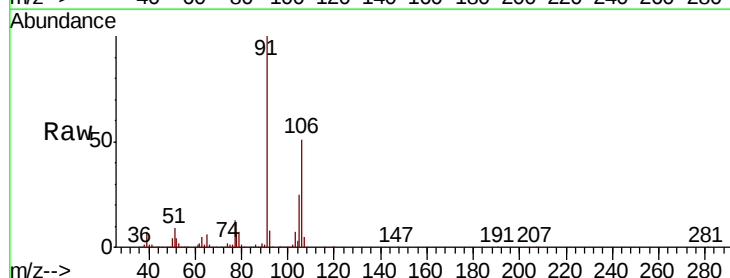
Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

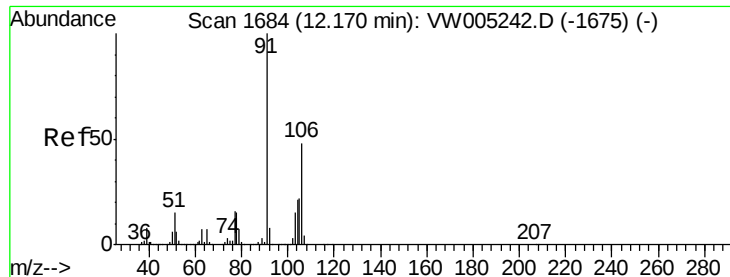
Tgt Ion: 91 Resp: 443058
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4



#68
m/p-Xylenes
Concen: 42.201 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion: 106 Resp: 367101
Ion Ratio Lower Upper
106 100
91 197.4 160.2 240.2

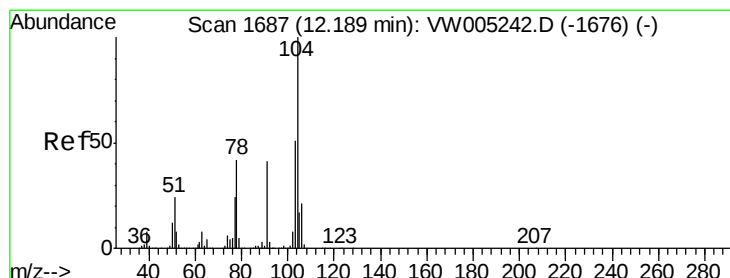
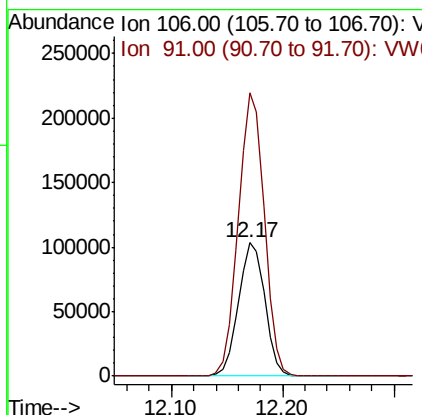
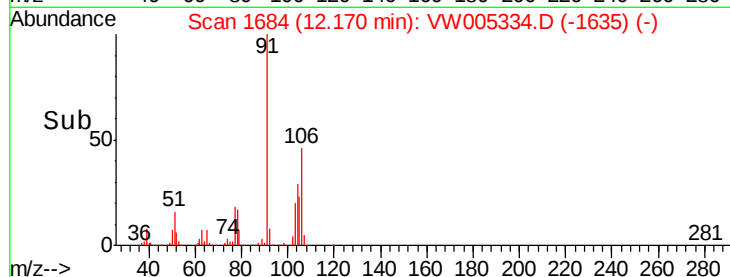
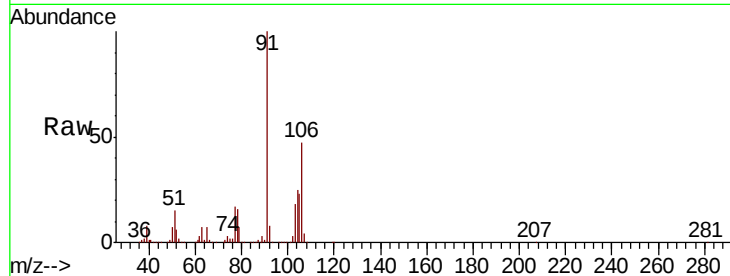




#69
o-Xylene
Concen: 20.960 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

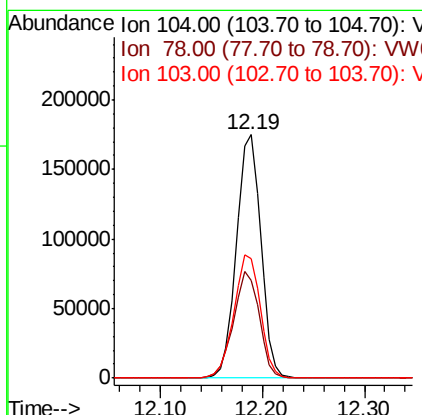
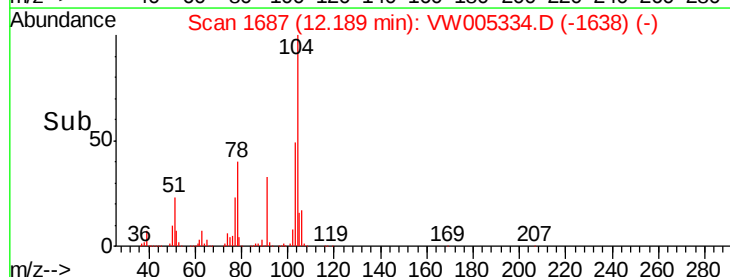
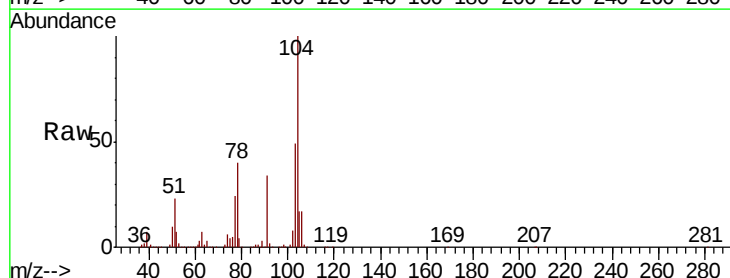
Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

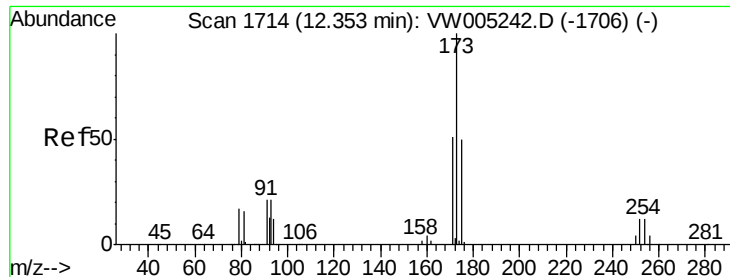
Tgt Ion:106 Resp: 169637
Ion Ratio Lower Upper
106 100
91 209.5 104.1 312.3



#70
Styrene
Concen: 21.883 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion:104 Resp: 288980
Ion Ratio Lower Upper
104 100
78 46.1 37.4 56.2
103 54.7 44.1 66.1

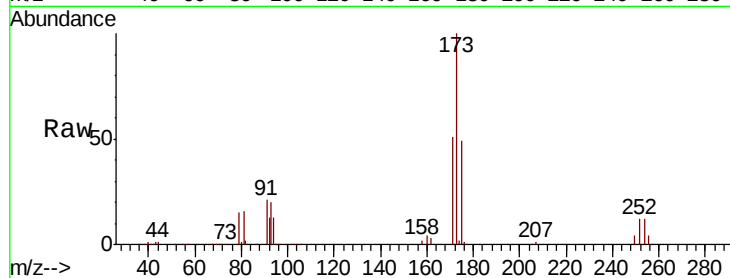




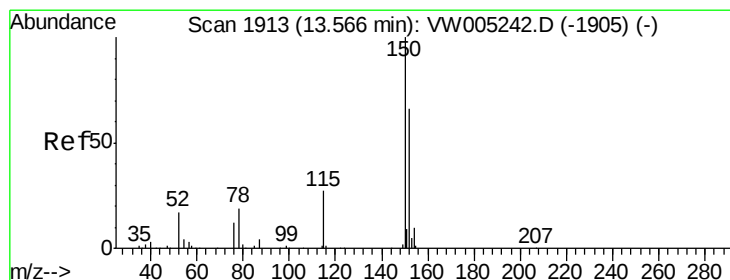
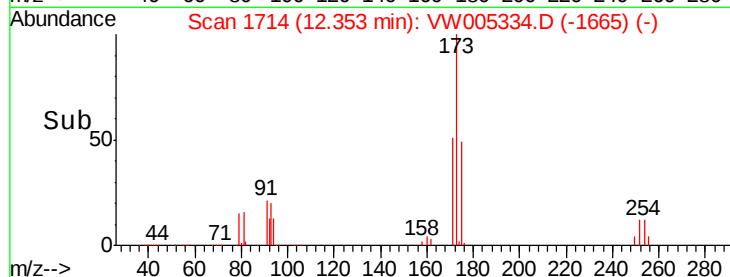
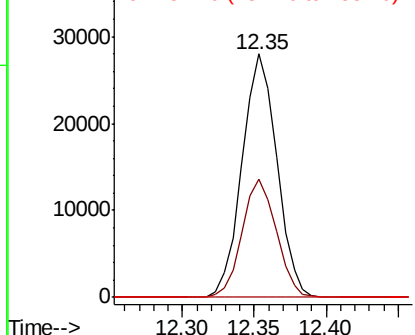
#71
Bromoform
Concen: 23.374 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

Tgt Ion:173 Resp: 46905
Ion Ratio Lower Upper
173 100
175 47.7 24.9 74.6
254 0.1 0.1 0.1#

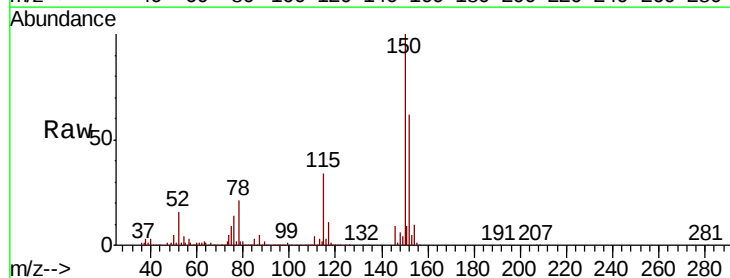


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

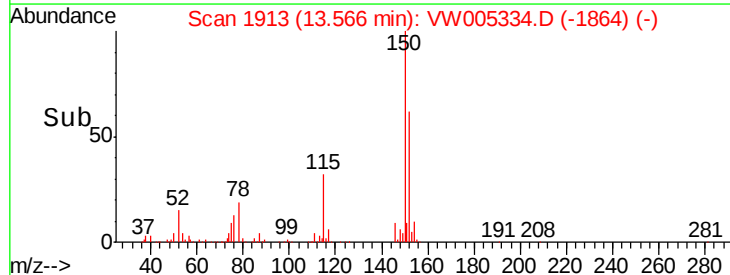
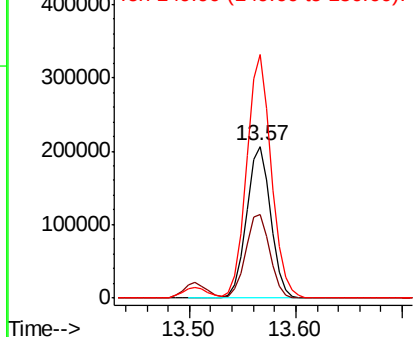


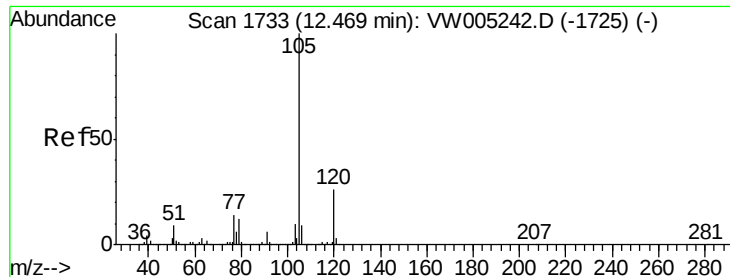
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion:152 Resp: 326731
Ion Ratio Lower Upper
152 100
115 55.6 27.5 82.4
150 164.5 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.562 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

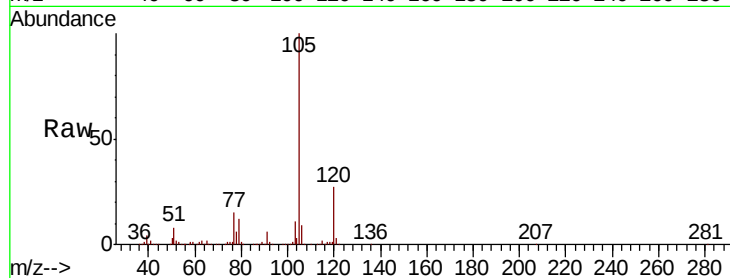
VW0912SBSD01

Tgt Ion: 105 Resp: 451583

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

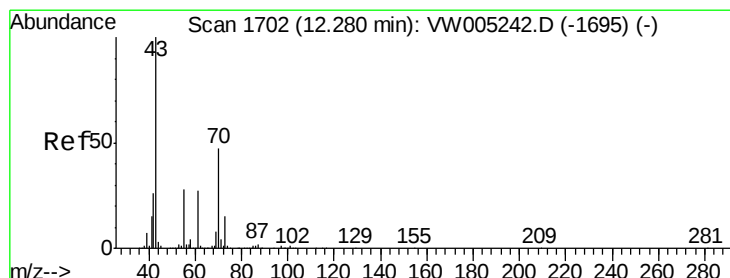
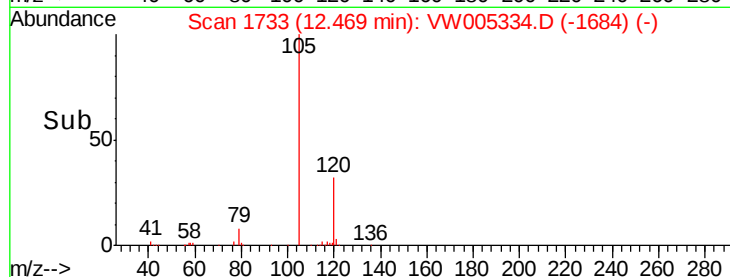
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 21.530 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Tgt Ion: 43 Resp: 94567

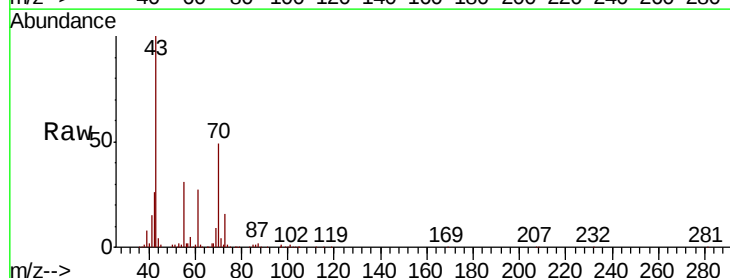
Ion Ratio Lower Upper

43 100

70 49.3 37.9 56.9

55 29.6 22.6 33.8

61 26.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

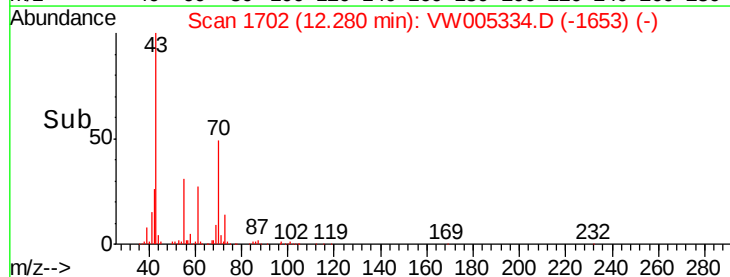
60000

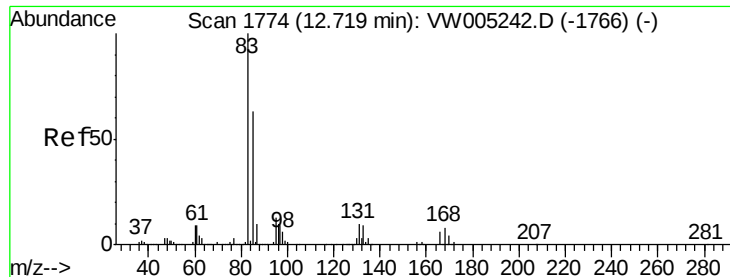
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.381 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

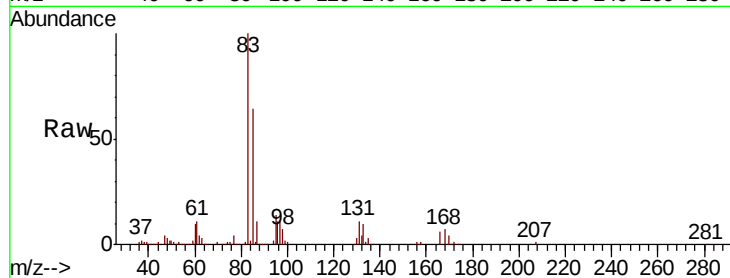
Tgt Ion: 83 Resp: 77648

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

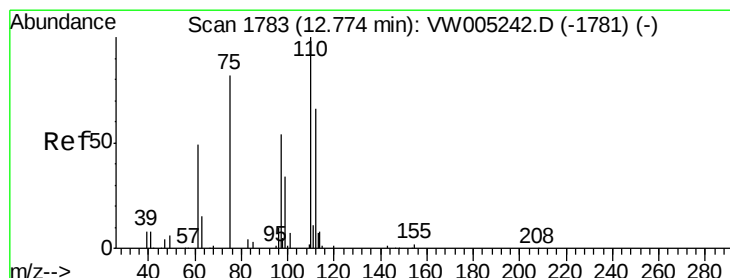
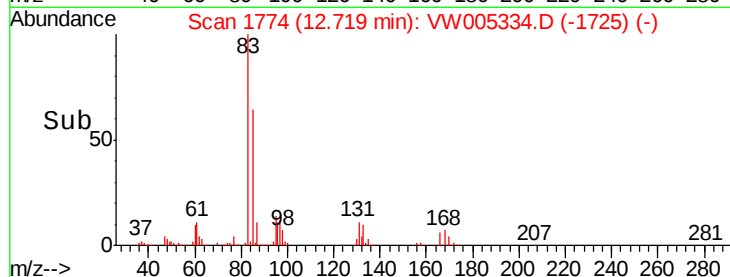
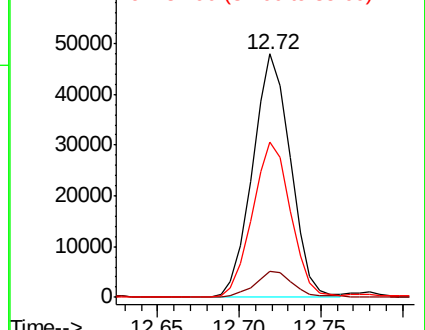
85 64.3 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.946 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005334.D

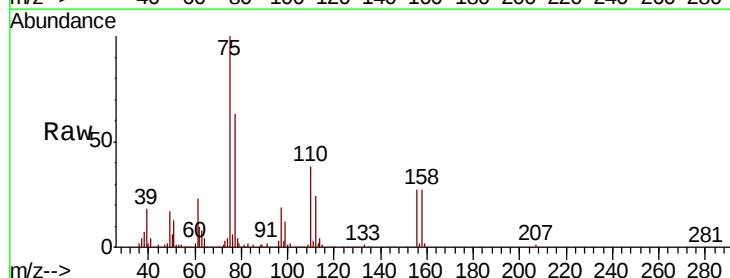
Acq: 12 Sep 2018 18:57

Tgt Ion: 75 Resp: 100387

Ion Ratio Lower Upper

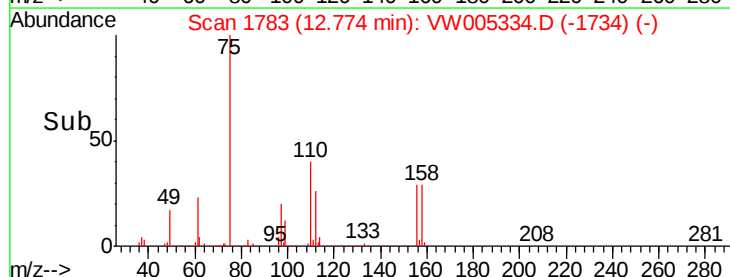
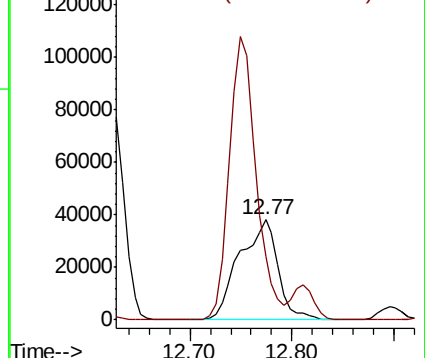
75 100

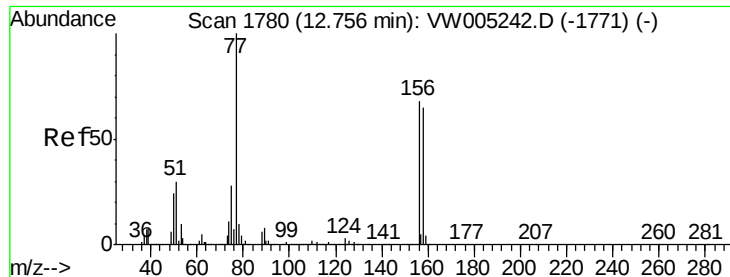
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.396 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

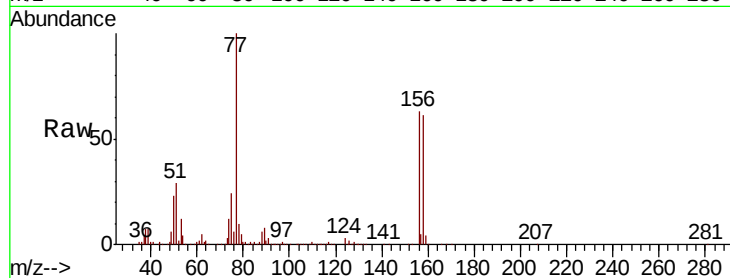
Tgt Ion:156 Resp: 116367

Ion Ratio Lower Upper

156 100

77 169.2 86.3 258.8

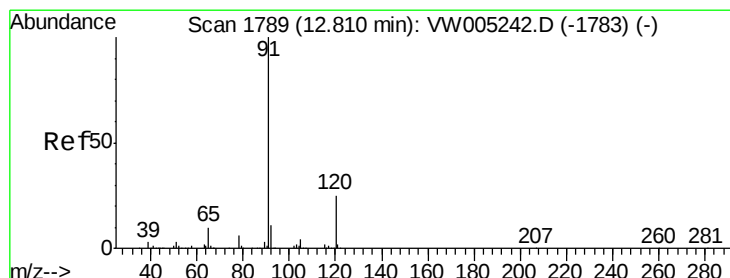
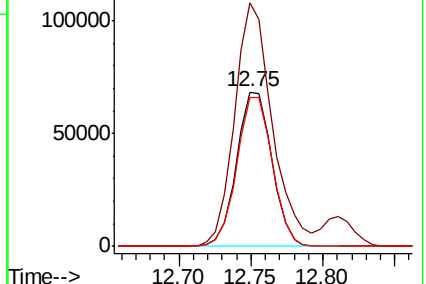
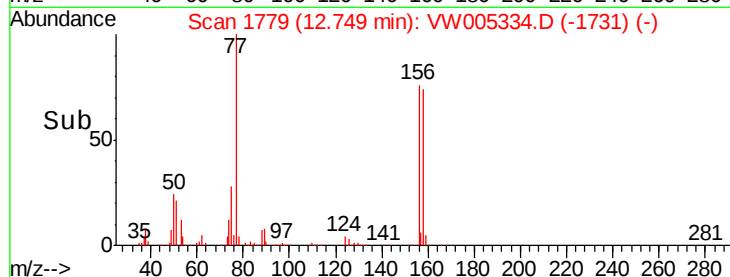
158 97.2 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.121 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005334.D

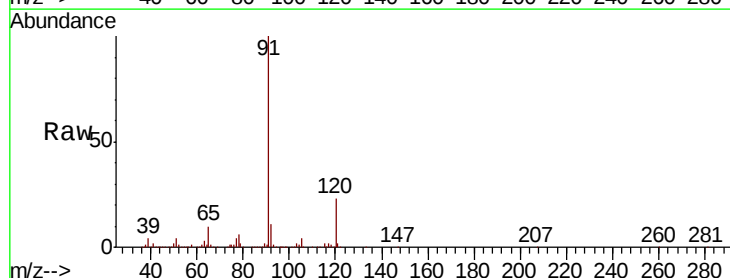
Acq: 12 Sep 2018 18:57

Tgt Ion: 91 Resp: 557857

Ion Ratio Lower Upper

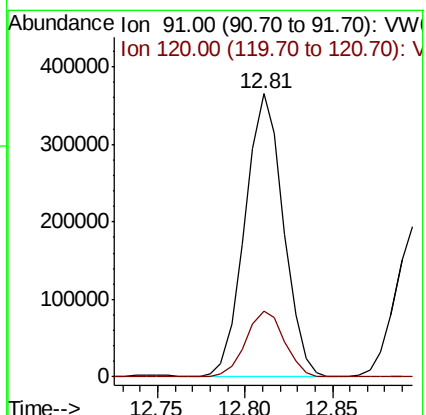
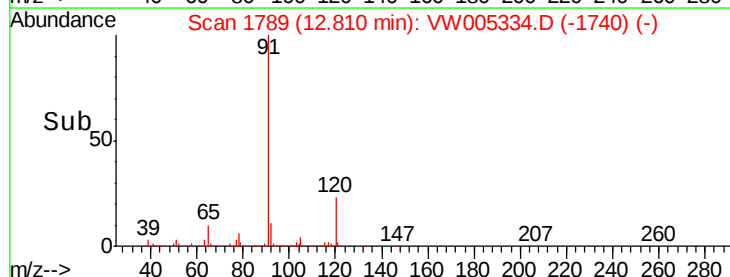
91 100

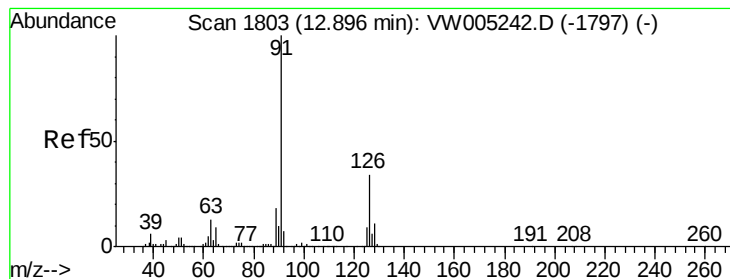
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.199 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

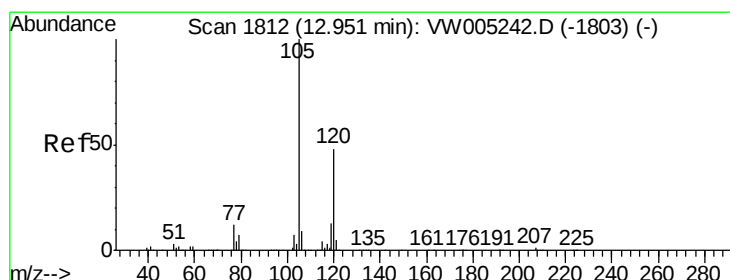
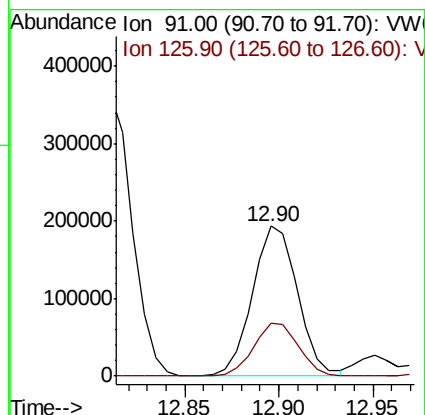
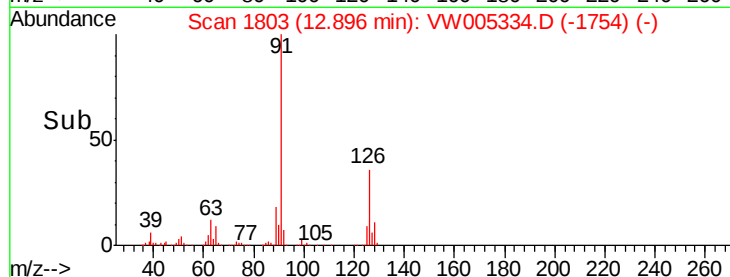
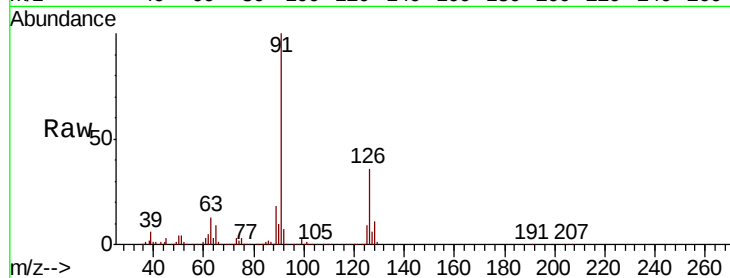
VW0912SBSD01

Tgt Ion: 91 Resp: 321147

Ion Ratio Lower Upper

91 100

126 35.3 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 20.220 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005334.D

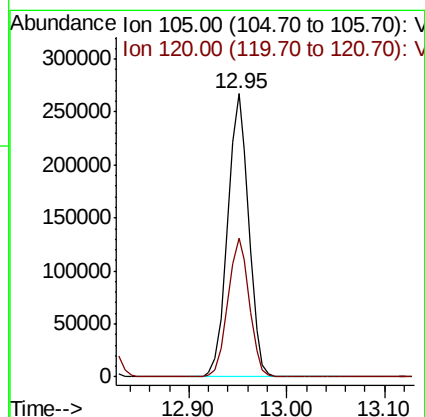
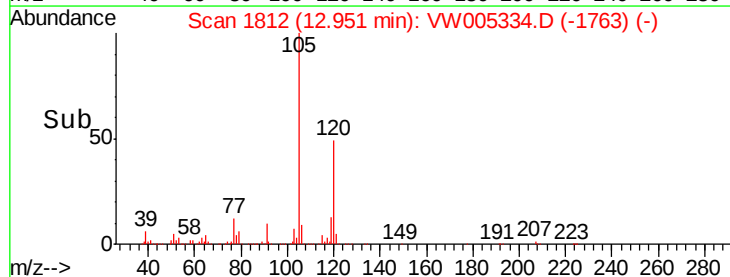
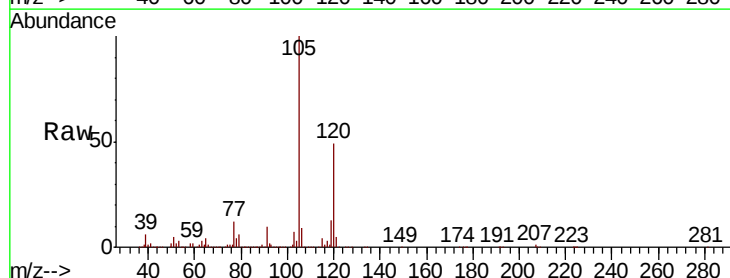
Acq: 12 Sep 2018 18:57

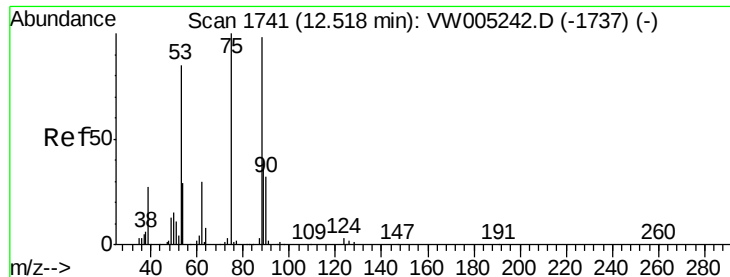
Tgt Ion: 105 Resp: 397478

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.199 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

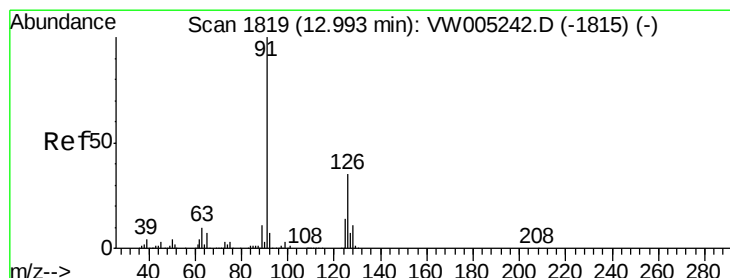
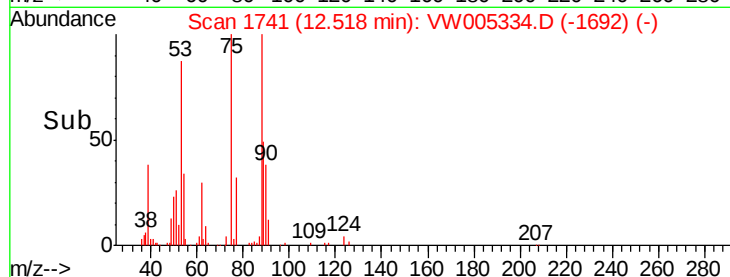
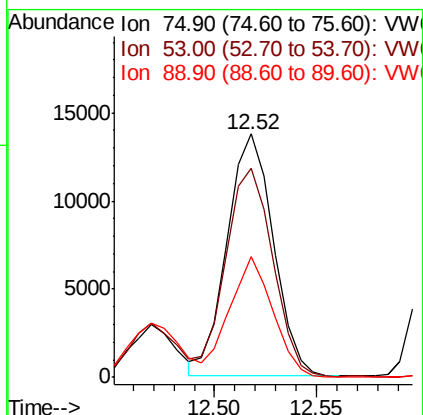
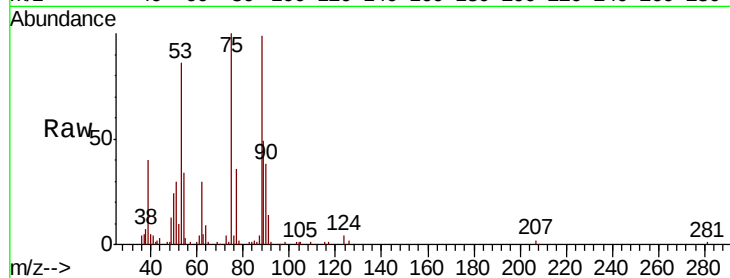
Tgt Ion: 75 Resp: 21645

Ion Ratio Lower Upper

75 100

53 88.6 67.0 100.6

89 46.4 37.0 55.4



#82

4-Chlorotoluene

Concen: 20.579 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005334.D

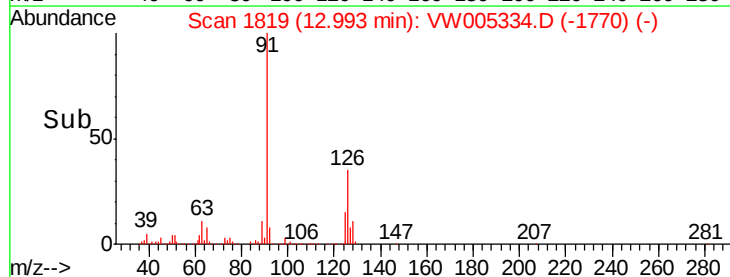
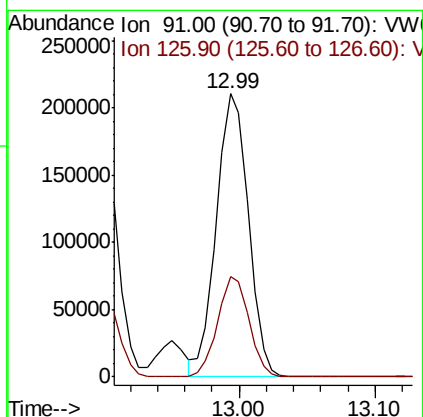
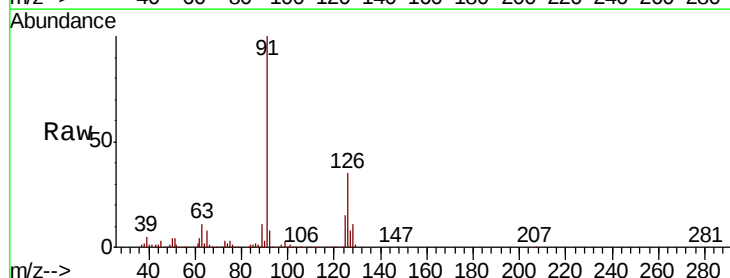
Acq: 12 Sep 2018 18:57

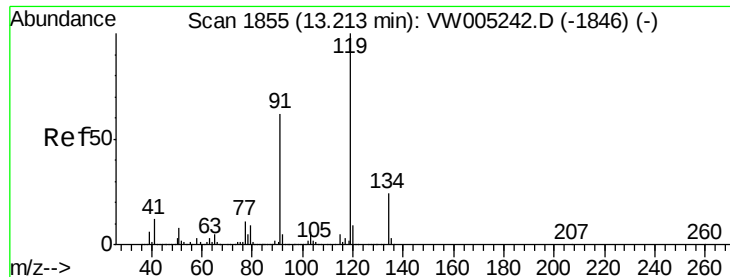
Tgt Ion: 91 Resp: 343907

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5





#83

tert-Butylbenzene

Concen: 19.426 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

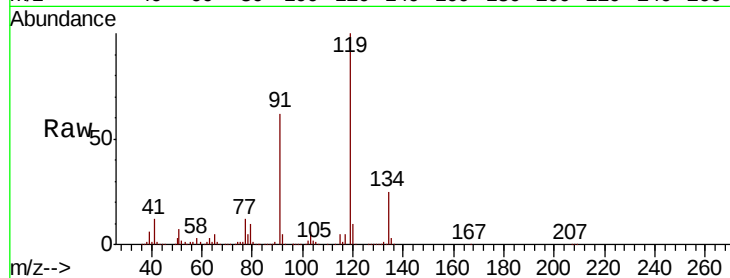
Tgt Ion:119 Resp: 333977

Ion Ratio Lower Upper

119 100

91 62.0 31.7 95.1

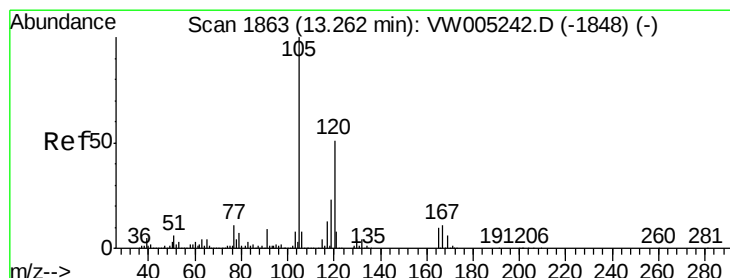
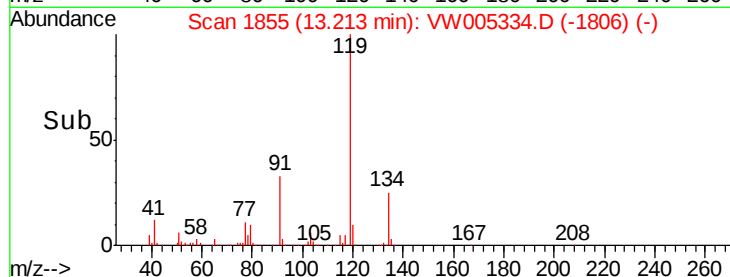
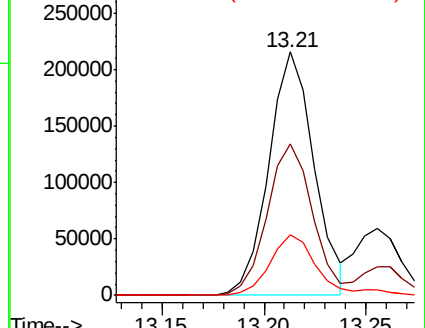
134 26.4 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.571 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.01 min

Lab File: VW005334.D

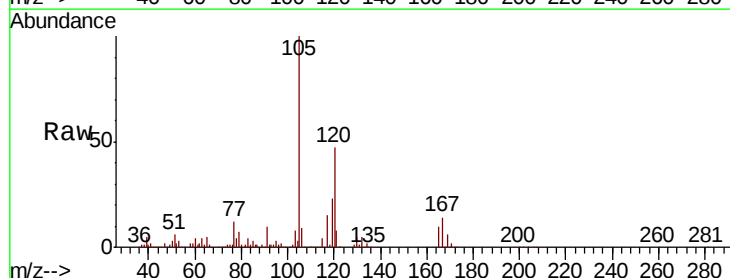
Acq: 12 Sep 2018 18:57

Tgt Ion:105 Resp: 406358

Ion Ratio Lower Upper

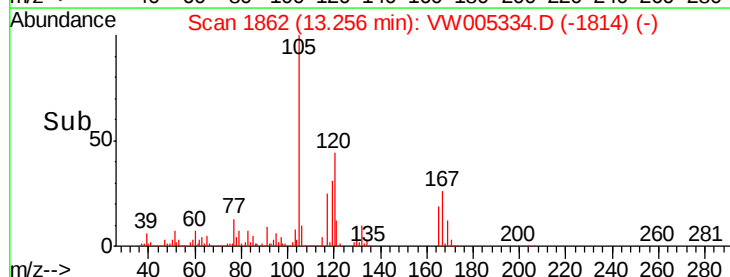
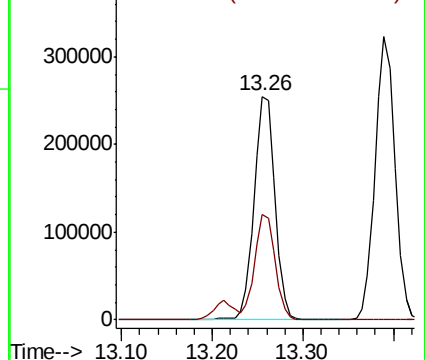
105 100

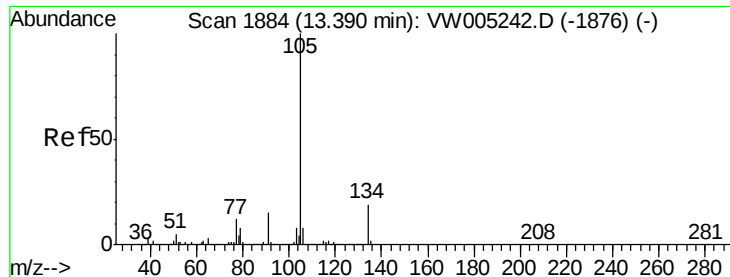
120 46.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.872 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

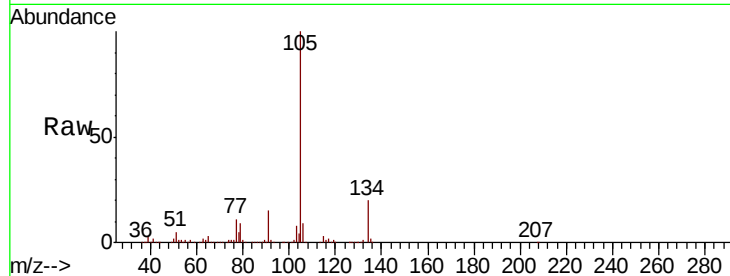
VW0912SBSD01

Tgt Ion:105 Resp: 491006

Ion Ratio Lower Upper

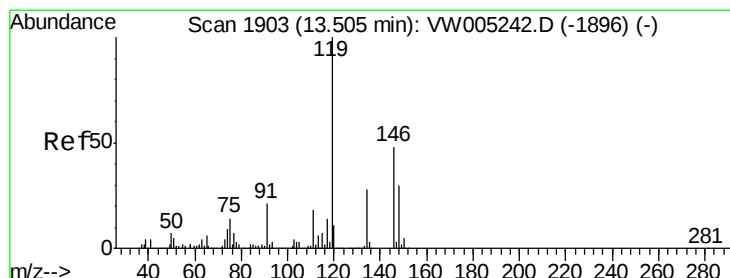
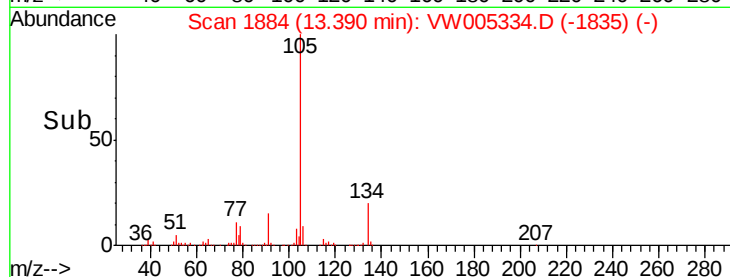
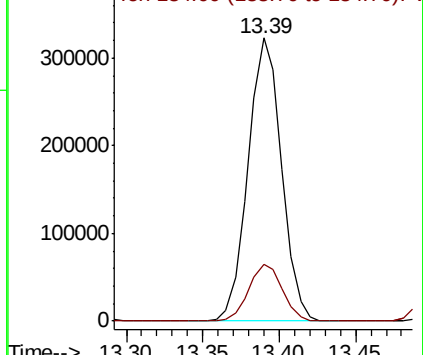
105 100

134 20.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.079 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

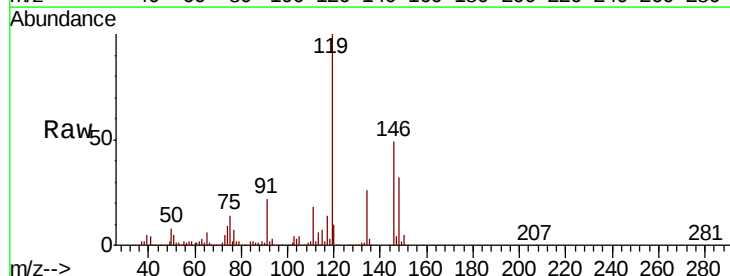
Tgt Ion:119 Resp: 439194

Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

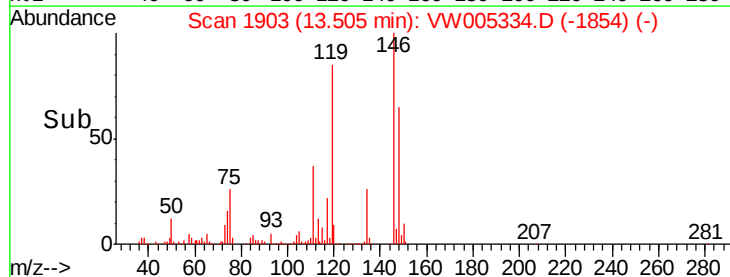
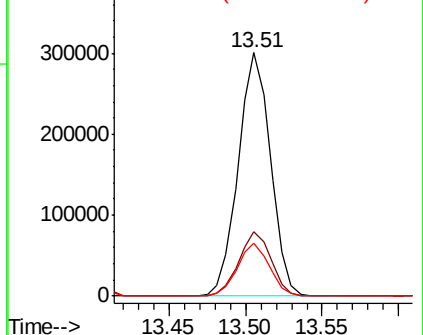
91 21.4 10.7 32.1

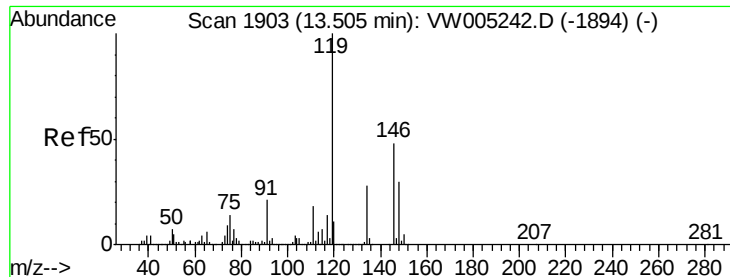


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

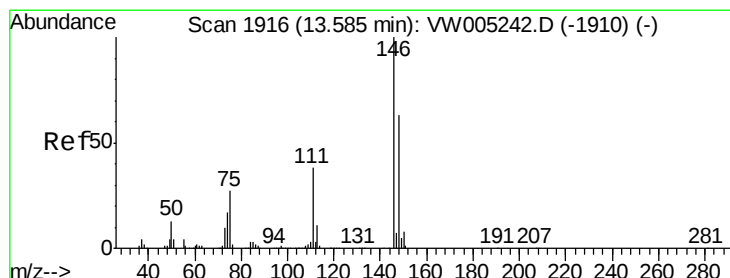
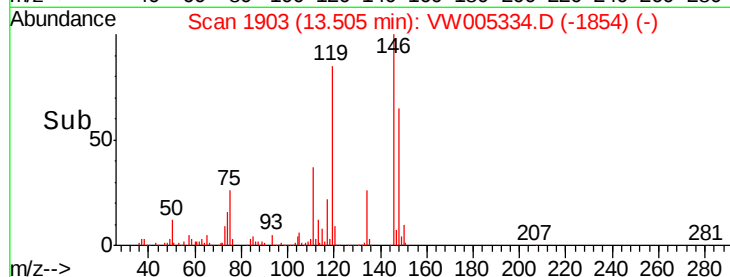
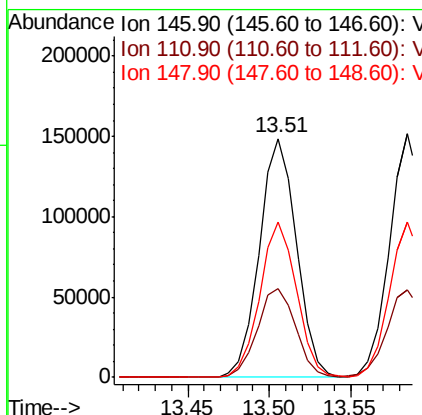
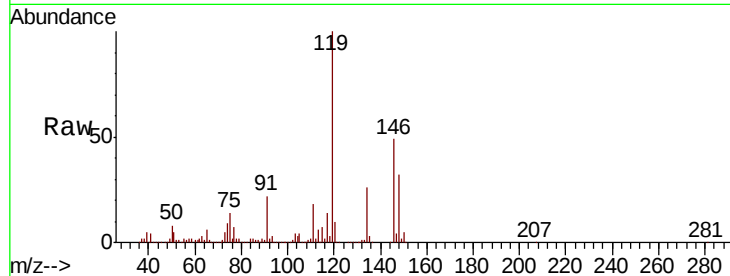




#87
 1,3-Dichlorobenzene
 Concen: 20.591 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

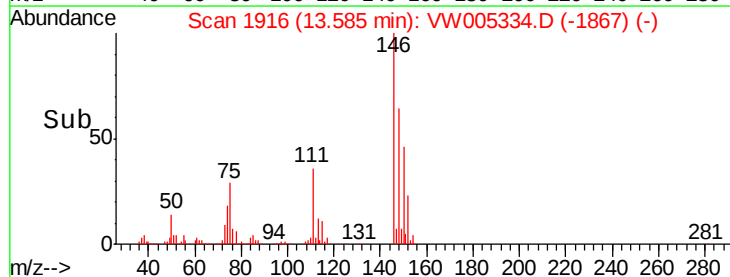
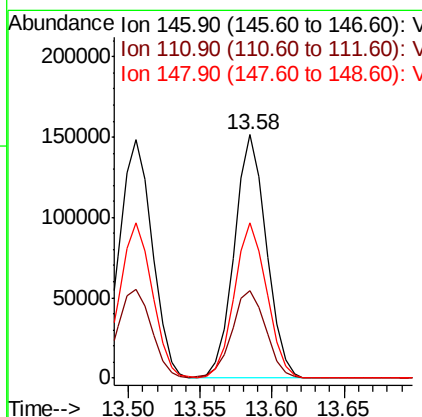
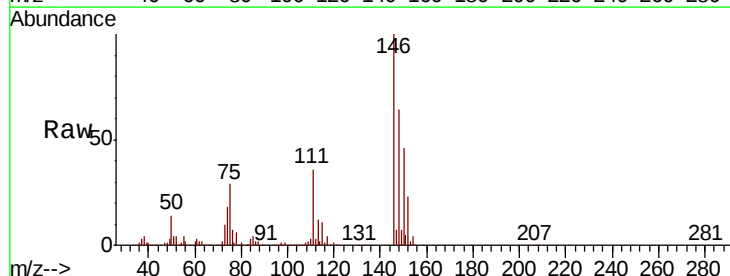
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

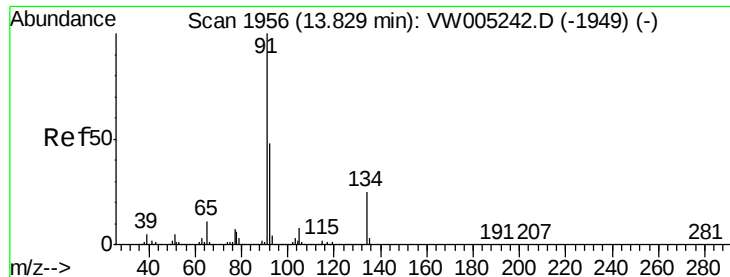
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	64.4	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.965 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	64.4	32.3	96.9





#89

n-Butylbenzene

Concen: 19.128 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW005334.D

Acq: 12 Sep 2018 18:57

Instrument :

MSVOA_W

ClientSampleId :

VW0912SBSD01

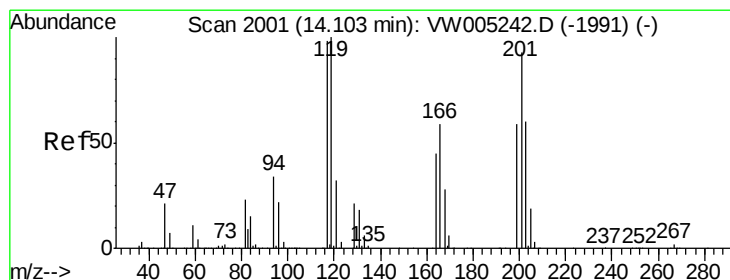
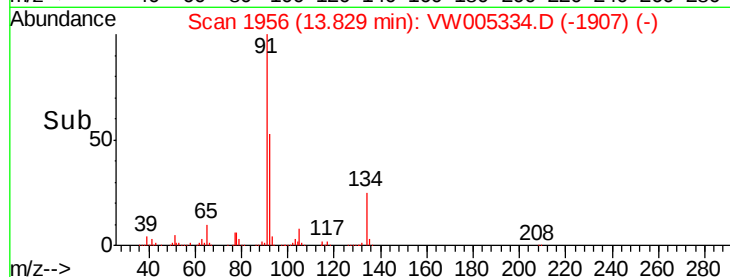
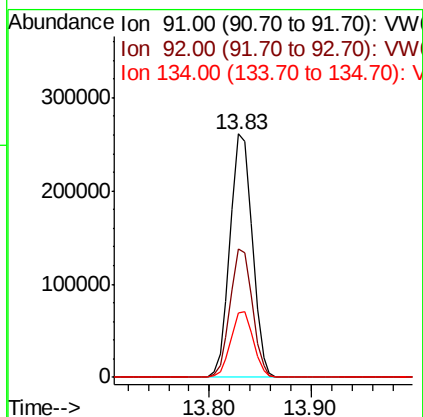
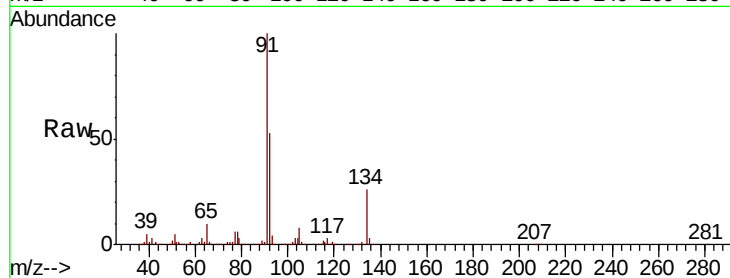
Tgt Ion: 91 Resp: 393296

Ion Ratio Lower Upper

91 100

92 52.7 25.8 77.3

134 27.2 13.6 40.8



#90

Hexachloroethane

Concen: 19.615 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005334.D

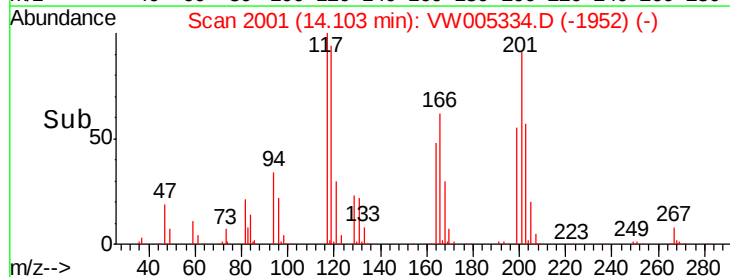
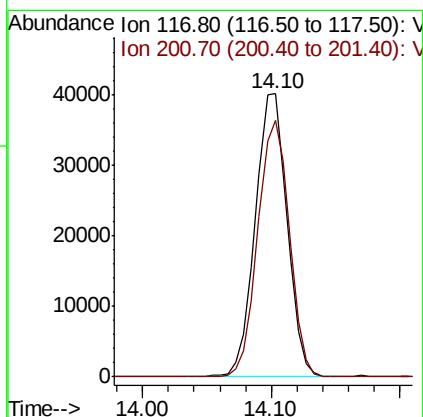
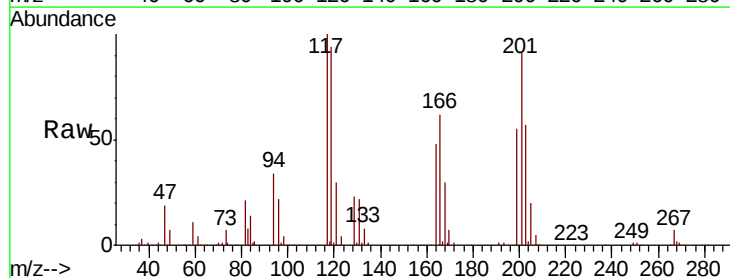
Acq: 12 Sep 2018 18:57

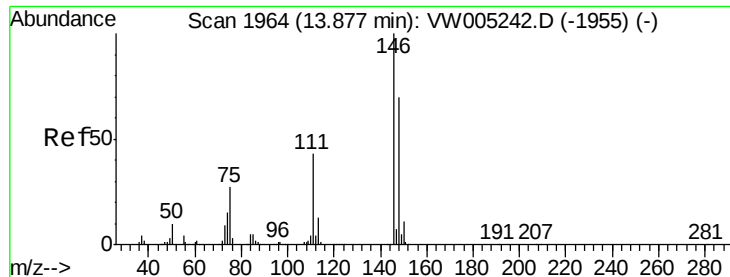
Tgt Ion: 117 Resp: 68737

Ion Ratio Lower Upper

117 100

201 89.5 44.0 132.1

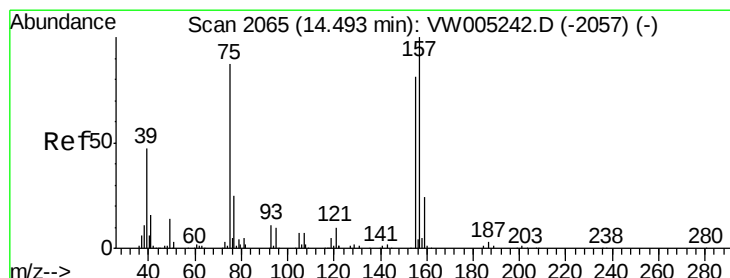
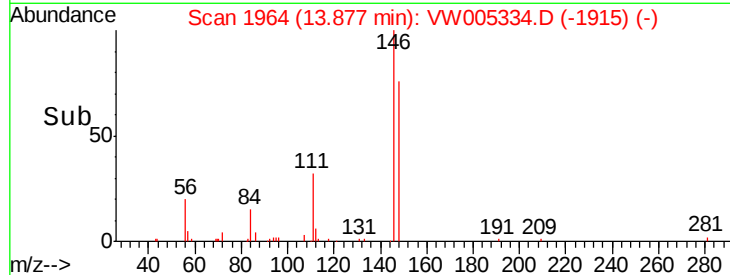
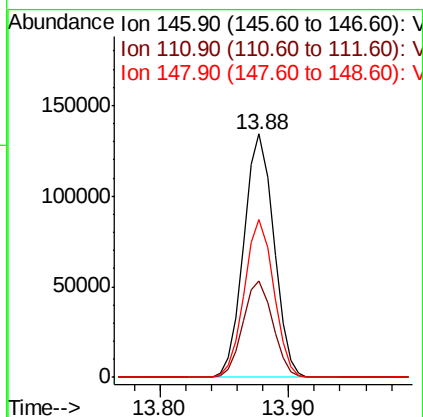
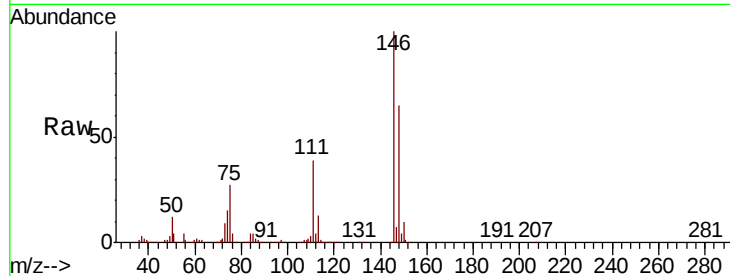




#91
 1,2-Dichlorobenzene
 Concen: 21.534 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

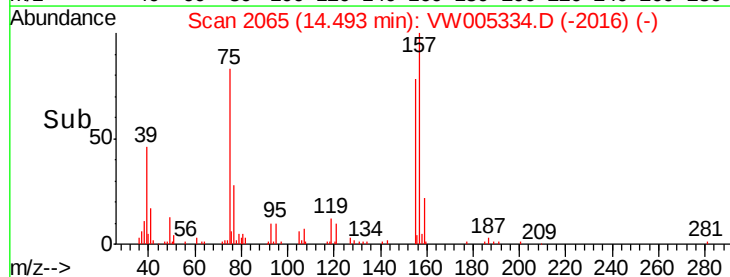
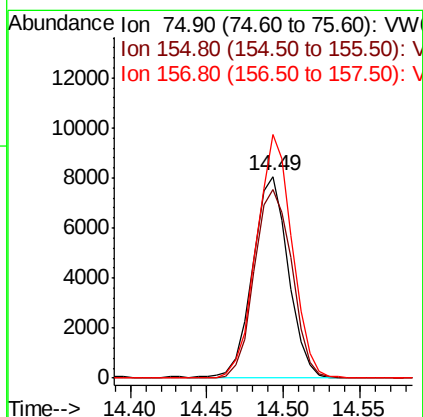
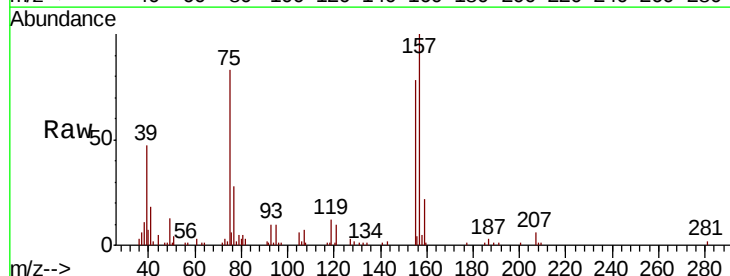
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

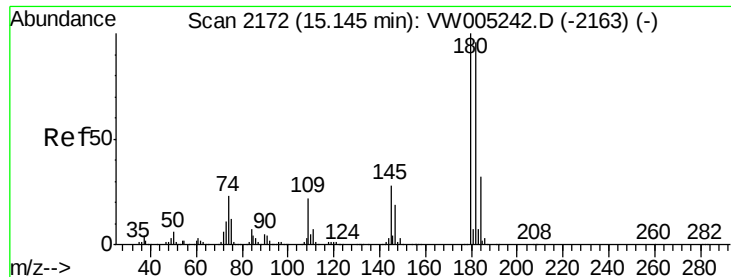
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.5	61.5
148	63.6	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.654 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	47.4	142.2
157	121.2	59.4	178.2

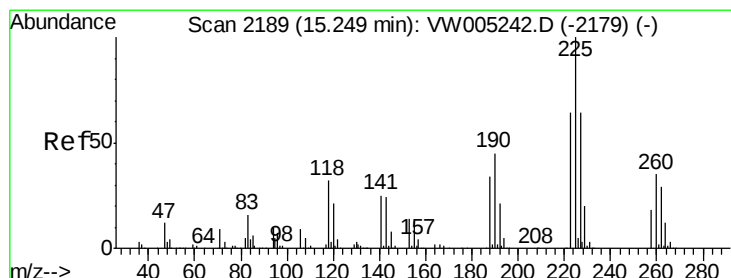
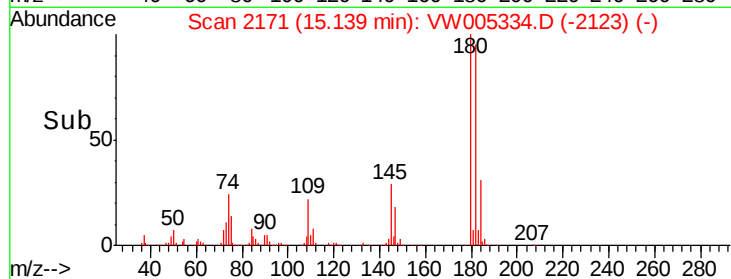
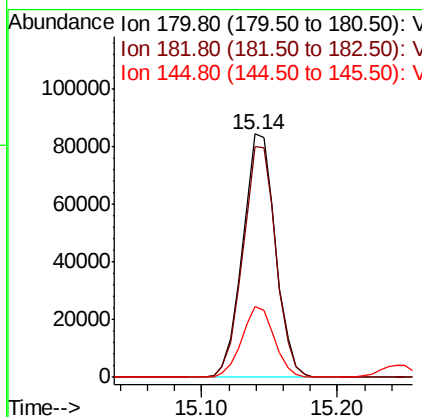
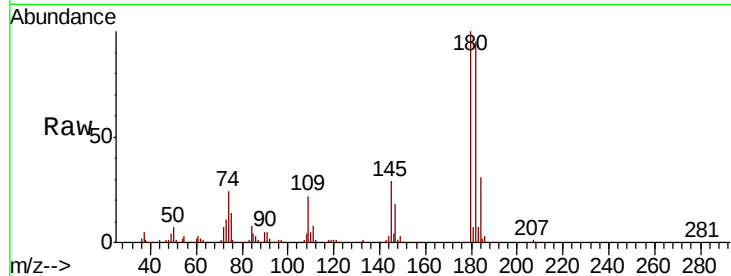




#93
 1,2,4-Trichlorobenzene
 Concen: 20.002 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

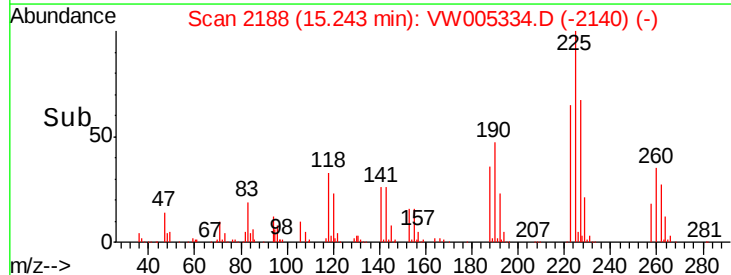
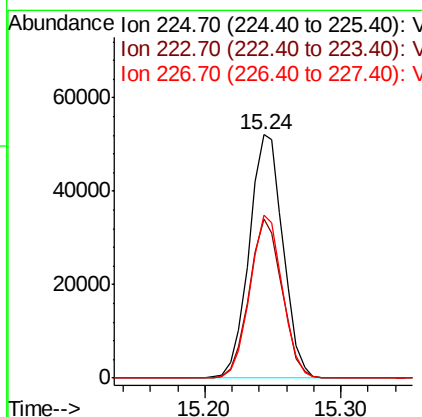
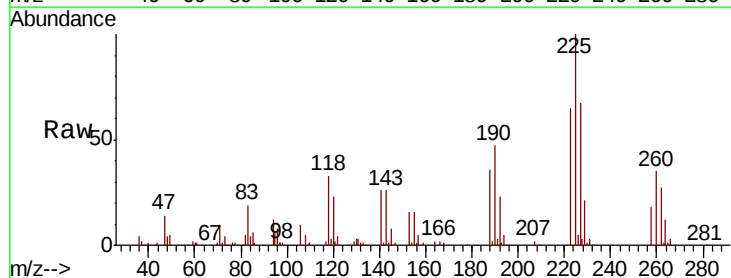
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0912SBSD01

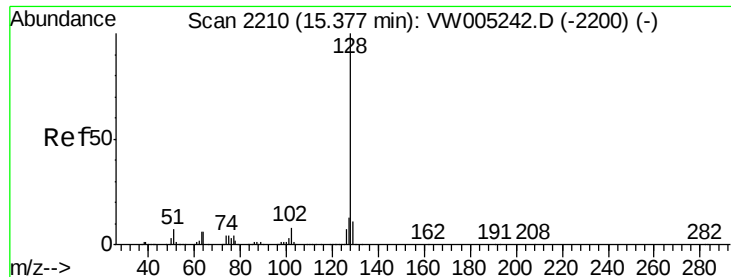
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.4
145	28.9	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 19.937 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: VW005334.D
 Acq: 12 Sep 2018 18:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.2
227	64.3	32.0	96.0

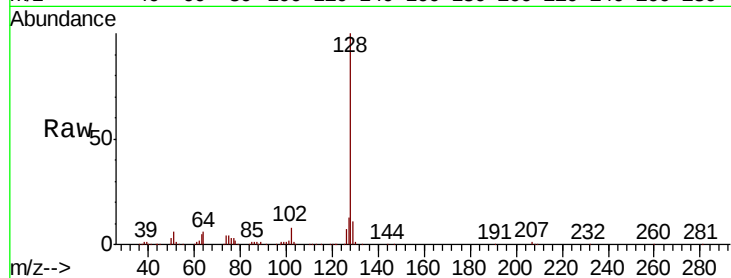




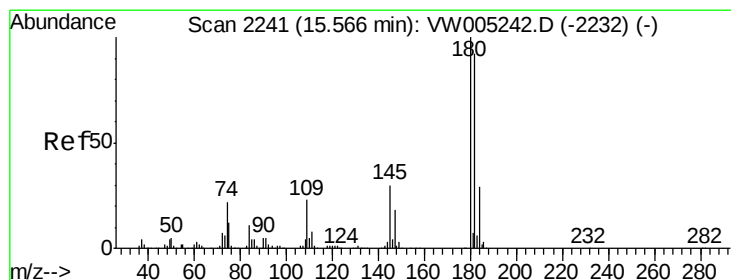
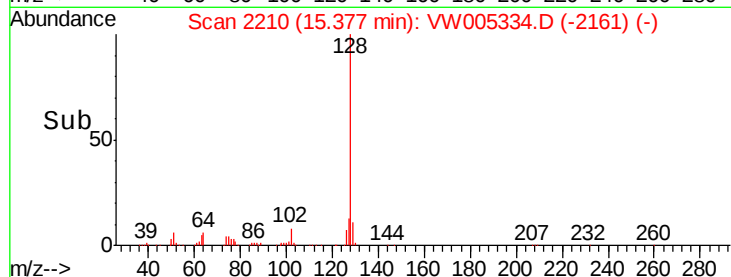
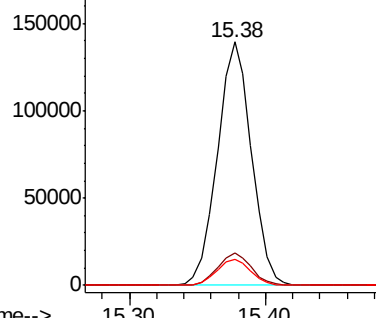
#95
Naphthalene
Concen: 21.216 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Instrument :
MSVOA_W
ClientSampleId :
VW0912SBSD01

Tgt Ion:128 Resp: 244234
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.8 8.8 13.2

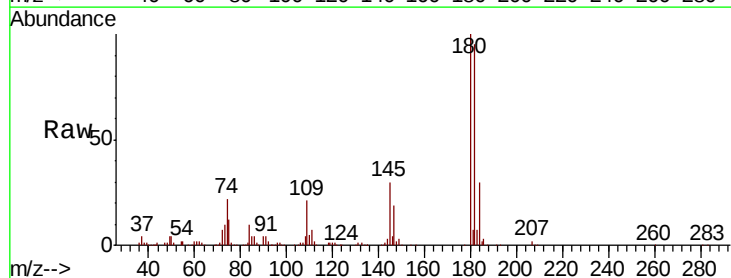


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.060 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005334.D
Acq: 12 Sep 2018 18:57

Tgt Ion:180 Resp: 128668
Ion Ratio Lower Upper
180 100
182 95.6 47.2 141.6
145 30.3 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

